

REPORT, RETURNS AND STATISTICS  
OF THE  
INLAND REVENUES  
OF THE  
DOMINION OF CANADA  
FOR THE FISCAL YEAR ENDED JUNE 30  
1905  
PART III  
ADULTERATION OF FOOD

*PRINTED BY ORDER OF PARLIAMENT*



OTTAWA

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EXCELLENT MAJESTY

1906







# CONTENTS.

PAGES.

Deputy Minister's Report.....	5
Chief Analyst's Report.....	7
Official Analysts' Reports :—	
District of Halifax, N.S.....	8
do Montreal, Que.....	9
do Toronto, Ont.....	9
do British Columbia.....	9
Appendix "A" Inspection of Ground Mustard.....	10
do "B" do Molasses.....	18
do "C" do Wheaten Flour.....	24
do "D" do Bread.....	28
do "E" do Standard Fertilizers.....	29
do "F" do Maple Syrup and Sugar....	48
do "G" do Peppers.....	65
do "H" do Jams, Marmalades and Jellies.....	71
do "I" do Fertilizers as Sold.....	88







# REPORT

## OF THE

### DEPUTY MINISTER OF INLAND REVENUE.

#### INSPECTION OF FOODS, DRUGS AND FERTILIZERS.

To the Honourable L. P. BRODEUR,  
Minister of Inland Revenue.

SIR,—I have the honour to submit herewith the reports of the Official Analysts of the Dominion for the fiscal year ended June 30, 1905.

The following is a summary statement of the whole number of samples analysed, and results reported by them :—

Description of Samples.	Genuine.	Doubtful.	Adul- terated.	Total.
Molasses .....	3	0	0	3
Maple syrup .....	57	11	103	171
Maple sugar .....	25	2	16	43
Fertilizers as sold ..	49	30	9	88
Total .....	134	43	128	305

The following is a summary of the number of collected samples analysed by the Chief Analyst and his staff at the Inland Revenue Laboratory at Ottawa :—

Description of Samples.	Genuine.	Doubtful.	Adul- terated.	Total.
Ground mustard .....	8	(1) 30	37	75
Wheaten flour .....	74	0	0	74
Bread .....	11	2	5	18
Molasses .....	39	5	1	45
Black pepper .....	22	7	31	60
White pepper .....	13	3	10	26
Jams .....	12	0	(2) 43	55
Jellies .....	8	0	(2) 6	14
Marmalades .....	13	0	(2) 16	29
Fertilizers as sold .....	50	28	10	88
Total .....	250	75	159	484

(1) In 19 samples adulteration was declared.

(2) The presence of foreign fruit or glucose deemed to constitute adulteration.



5-6 EDWARD VII., A. 1906

The following statement shows the total number of samples examined during the fiscal year ended June 30, 1902, 1903, 1904 and 1905 respectively :—

	DURING THE FISCAL YEAR ENDED JUNE 30.			
	1902.	1903.	1904.	1905.
1. Number of samples collected by the food inspectors for examination.....	883	541	1,417	731
2. Number of these samples examined by the public analysts.....	883	163	213	305
3. Number of these samples examined in the laboratory here.....	270	425	1,341	624
4. Number of samples examined at the laboratory here, duplicates of which were not analysed by the public analysts.....	600	1,017	1,808	957
This number however includes the following :—				
Samples of beer.....	32	70	15	31
"    vinegar.....	346	366	239	239
"    molasses.....				34
Standard fertilizers.....	106	128	111	120
Sundry others.....			83	119
Samples examined for other departments :—				
Marine and Fisheries.....	15	8	1	2
Public Works.....	3	0	0	3
Militia and Defence.....	3	16	5	2
Indian Affairs.....	6	2	2	0
Agriculture.....	15	3	0	0
Police Branches.....	1	0	1	6
Interior.....	2	0	3	3
Trade and Commerce.....	0	0	0	0
Railways and Canals.....	0	97	7	0
Customs.....	0	4	0	0
Printing Bureau.....	0	0	0	4
Post Office.....	0	0	0	2

The Department has decided that, as respects the purity of its food supplies, the public of Canada shall be protected ; and as the manufacturers and the trade generally have been sufficiently warned they must be prepared for a vigorous administration of the provisions of the ' Adulteration Act. '

Many dealers complain that they are unable to determine whether or not goods purchased by them are unadulterated and that in consequence they are made to suffer unjustly.

The remedy for this condition of affairs rests with the dealers themselves as they have only to secure from the manufacturer or wholesale dealer, from whom their supplies are obtained, the warranty that the goods furnished are pure and unadulterated. With this in their possession the Department is enabled to bring the manufacturer, or wholesale dealer, into the case and inflict punishment where such belongs.

I have the honour to be, sir,

Your obedient servant,

W. J. GERALD,  
*Deputy Minister.*

INLAND REVENUE DEPARTMENT,  
OTTAWA, December 21, 1905.



## REPORT OF CHIEF ANALYST.

INLAND REVENUE LABORATORY, 317 QUEEN ST.,  
OTTAWA, November 2, 1905.

W. J. GERALD, Esq.,  
Deputy Minister of Inland Revenue.

SIR,—I beg to submit to you my report for the year ended June 30, 1905.

The following statement, made out in accordance with your instructions, gives the number of food and other samples examined during the year.

1. Number of samples collected by the Food Inspectors, or otherwise, for analysis .....	731
2. Number of these examined by the District Analysts. ....	305
3. Number of these examined at the Inland Revenue Laboratory, Ottawa.....	624
4. Number of samples analysed in Inland Revenue Laboratory, duplicates of which were not examined by the District Analysts.....	957

The last mentioned number, however, includes the following:—

Standard fertilizers.....	120
Selected samples of molasses.....	34
Inland Revenue samples:—	
Beer.....	31
Vinegar.....	239
Sundry others.....	119
	389

Samples examined for the following departments:—

Marine and Fisheries.....	2
Militia and Defence. ....	2
Interior.....	3
Public Works .....	3
Printing Bureau.....	4
Post Office .....	2
North-west Mounted Police .....	6
	22
	565

I am sending you herewith the reports of the District Analysts for the year ending June 30, 1905.

The following table shows the total work done by them:—

Description of Samples.	Genuine.	Doubtful.	Adulterated.	Total.
Molasses.....	3	0	0	3
Maple syrup .....	57	11	103	171
Maple sugar .....	25	2	16	43
Fertilizers as sold.....	49	30	9	88
	134	43	128	305



5-6 EDWARD VII., A. 1906

The following is a summary of the collected samples examined exclusively in the Inland Revenue Laboratory at Ottawa :—

	Genuine.	Adultera- tion declared.	Doubtful.	Adulter- ated.	Total.
Ground mustard .....	8	19	11	37	75
Wheaten flour.....	74	0	0	0	74
Bread.....	11	0	2	5	18
Molasses.....	39	0	5	1	45
Black pepper .....	22	0	7	31	60
White pepper.....	13	0	3	10	26
Jams.....	12	0	0	43	55
Jellies.....	8	0	0	6	14
Marmalades.....	13	0	0	16	29
Fertilizers as sold.....	50	0	28	10	88
	250	19	56	159	484

I submit also the following appendices which give the results of the various inspections made in the course of the year. With the exception of the first four, these have been already published in the form of Bulletins:—

- Appendix A.—Ground Mustard.
- " B.—Molasses.
- " C.—Wheaten Flour.
- " D.—Bread.
- " E.—Standard Fertilizers, Bulletin No. 101.
- " F.—Maple Syrup and Sugar, Bulletin No. 102.
- " G.—Peppers, Bulletin No. 103.
- " H.—Jams, Jellies and Marmalades, Bulletin No. 104.
- " I.—Fertilizers as Sold, Bulletin No. 105.

I have the honour to be, sir,  
Your obedient servant,  
THOMAS MACFARLANE,  
Chief Analyst.

66 BEDFORD ROW,  
HALIFAX, N.S., July 24, 1905.

The Deputy Minister of Inland Revenue,  
Ottawa.

SIR,—I have the honour to submit my annual report on the samples of food, &c., analysed by me during the year ending June 30, 1905, as follows :—

	Adul- terated.	Doubtful.	Genuine.	Total.
Molasses.....	0	0	3	3
Maple syrup and sugar.....	17	0	15	32
Fertilizers as sold.....	1	6	9	16
Total .....	18	6	27	51

I have the honour to be, sir,  
Your obedient servant,  
MAYNARD BOWMAN.  
Official Analyst.



## SESSIONAL PAPER No. 14

MONTREAL, July 10, 1905.

The Deputy Minister,  
Inland Revenue Department,  
Ottawa.

SIR,—I have the honour to submit my report upon the analysis of samples submitted to me during the fiscal year ending June 30, 1905.

I have analysed a total of 122 samples, viz. : 19 samples of maple sugars, 71 samples of maple syrup and 32 samples of commercial fertilizers.

Of the samples of maple sugars, 11 were genuine and 7 adulterated.

Forty-three samples of maple syrup were genuine, 26 were adulterated, whilst 3 were doubtful.

In the case of the fertilizers, 19 samples were genuine, 5 were not registered, and have therefore, been classed as doubtful. Eight others were more than one per cent below the guaranteed value in one or more ingredients, and therefore, have been considered as adulterated according to the 'Fertilizer Act.'

I have the honour to be, sir,

Your obedient servant,

J. T. Donald.

SCHOOL OF PRACTICAL SCIENCE,

TORONTO, July 31, 1905.

The Commissioner of Inland Revenue.

SIR,—I beg to forward my annual report for the year terminating June 30, 1905.

During the year 1905, samples of food have been analysed in my laboratory, as shown in the subjoined tabular statement :—

	Genuine.	Adul- terated.	Doubtful.	Total.
Maple sugar .....	4	7	2	13
Maple syrup. ....	3	52	8	63
Fertilizers .....	16	1	15	32
Total . ....	23	60	25	108

I have the honour to be, sir,

Your obedient servant,

W. H. ELLIS.

PUBLIC ANALYST'S OFFICE,

VICTORIA, B.C., July 28, 1905.

To the Commissioner of Inland Revenue,  
Ottawa.

SIR,—I beg to submit report for year ending June 30, 1905.

	Genuine.	Adul- terated.	Total.
Maple sugar .....	3	1	4
Maple syrup.....	3	9	12
Fertilizers .....	7	1	8
	13	11	24

I have the honour to be, sir,

Your obedient servant,

C. J. FAGAN.



APPENDIX A.—INSPECTION

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by Vendor.
				Quantity.	Value.	
1904.			<i>District of Nova Scotia— R. J. Waugh, Inspector.</i>		Cts.	
April 13	Durham Mustard.....	20444	J. W. Webb, Bridge- water, N.S.	3 tins.	30	Not stated; put up in Halifax, N.S.
" 13	* Durham Boar Brand ..	20448	H. C. Barnaby & Sons, Bridgewater, N.S.	3 "	30	Not stated.....
" 14	Ava Brand .....	20449	F. R. Butcher & Co., Middleton, N.S.	3 "	30	W. D. Stroud, Montreal.
" 14	* Mustard, Todhunters ..	20450	" " ..	3 "	30	Todhunter, Mitchell & Co., Toronto.
" 15	Bulk.....	20454	S. L. Crosse, Kentville, N.S.	1 lb..	25	Maritime Spice & Coffee Co., St. John, N.B.
" 16	Keen's" Double Super- fine.	20463	W. T. Stephens, Wolf- ville, N.S.	3 tins.	45	Keen's, London, Eng ...
" 19	Keen's Second Quality..	20465	E. A. Thompson, Hali- fax, N.S.	3 "	30	" " ....
" 19	Dunn's "The Monarch Brand."	20467	H. W. Wentzell & Co., Halifax, N.S.	3 "	23	Dunn, London, Eng.....
			<i>District of Prince Edward Island—T. Moore, Inspector.</i>			
April 28	Mustard .....	24409	Jenkins & Son, Charlotte- town.	½ lb .	16	Dunn & Co., London, Eng.
May 3	" .....	24417	McGougan & Wright, Summerside, P.E.I.	½ "	15	Keen, London, Eng. ....
			<i>District of New Brunswick —J. C. Ferguson, Inspector.</i>			
April 8	Dry Mustard "Durham Brand Crest."	23826	P. B. A. Kirby, cor. Peter & Waterloo Sts., St. John.	3 tins.	30	R. Herron & Co., Mont- real, Que.
" 8	Dunn's Mustard.....	23827	The 2 Barkers, Ltd., 100 Princess St., St. John.	3 "	30	W. G. Dunn & Co., Lon- don and Canada.
" 13	Coleman's Double Super- fine.	23830	E. M. Ganong, Water St., St. John.	3 "	45	J. J. Coleman, London, Eng.
" 15	Mayell's Art Brand.....	23833	Milton Dayton, Edmund- ston, N.B.	3 "	30	Mayell & Co., Toronto, Canada.
" 19	Durham's Oriental.....	23838	John Gibson & Sons, Fredericton, N.B.	3 "	30	Pure Gold Mfg. Co., To- ronto, Ont.
" 28	Dalley's Pure Mustard..	23852	James H. Moore, Rose- berry St., Campbellton.	3 "	30	F. F. Dalley & Co., Ltd., Hamilton, Ont.
			<i>District of Quebec—J. C. Rouleau, Inspector.</i>			
April 5	Coleman's Bull's Head Mustard.	23688	J. B. Houle, Ste. Anasta- sie, Megantic Co.	3 tins.	45	N. Turcotte, Quebec ....
" 7	Keen's Mustard .....	23689	J. A. Moquin, Racine, Que.	½ lb .	14	L. Chaput, fils et Cie., Montreal.
" 8	Keen's Mustard, Second Quality, Compound.	23690	A. Oliver, Cowansville ..	3 tins.	25	Not known .....

\* Not sold as pure.



SESSIONAL PAPER No. 14  
OF GROUND MUSTARD.

Inspector's Report.	RESULTS OF ANALYSIS.				Remarks by the Chief Analyst.
	Moisture.	Oil or Fat.	Extract by Alcohol, 95 p.c. by Vol.	Microscopical Exami- nation.	
	p. c.	p. c.	p. c.		
Sold as fine Durham mustard ; compound.	6.52	5.88	5.60	Wheat flour and turmeric.	Adulterated.
An admixture of pure mustard with farina and choice condiments.	14.32	5.44	9.72	" " "	"
Guaranteed free from injurious ingredients.	7.56	13.28	13.52	Wheat flour.....	"
Sold as compound .....	8.20	7.40	9.60	Wheat flour and a little turmeric.	Adulteration declared.
.....	8.64	6.16	10.56	Wheat flour and turmeric.	" "
Sold as superfine. "This is an admixture in which no injurious ingredients are used, 38 & 39 Vic., ch. 3."	6.00	27.48	18.12	A little wheat starch....	Commercially pure.
Sold as compound.....	7.60	12.40	14.64	Wheat flour and turmeric.	Adulteration declared.
.....	8.00	11.24	27.44	Contains a few granules of wheat starch.	Doubtful.
.....	9.20	4.00	11.36	Starch and turmeric.....	Adulterated.
.....	7.72	12.92	13.96	Contains much starch and a little turmeric.	"
Stated as an admixture of pure mustard with choice condiments and sold as compound.	8.96	3.56	14.28	Wheat flour and turmeric.	Adulterated.
Guaranteed pure on label, but not sold as pure.	7.24	14.08	21.60	Contains a trace of wheat starch; has been damaged by water.	Doubtful.
Admixture of pure mustard with farina and choice condiments.	4.64	27.28	18.16	A little wheat starch....	Commercially pure.
Is a combination of pure mustard with farina and choice condiments; sold as an admixture.	7.88	3.56	12.60	Wheat flour and turmeric.	Adulteration declared.
Labelled as compound. ..	8.64	4.24	7.72	" " "	"
Warranted free from adulteration, but vendor would not guarantee purity.	6.40	12.80	22.00	A little turmeric.....	Doubtful.
An admixture with farina and choice condiments.	5.28	27.88	19.84	A little wheat starch....	Commercially pure.
.....	7.40	13.16	14.00	Much starch and some turmeric.	Adulterated.
Labelled as a mixture... ..	6.80	13.16	13.44	Wheat flour and turmeric.	Adulteration declared.



APPENDIX A.—INSPECTION OF

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by Vendor.
				Quantity.	Value.	
1904.			<i>District of Quebec—Con.</i>		Cts.	
April 8	Durham's Mustard.....	23691	Greely Bros. & Thompson, Sutton, Que.	3 tins.	25	Pure Gold Mfg. Co., Toronto.
" 11	Mustard .....	23692	Pierre Desjardins, Ste. Therèse.	1 lb.	10	Not known.....
" 11	Keen's.....	23693	J. H. Langlois et Cie, Ste. Scholastique.	$\frac{1}{2}$ "	20	D. C. Brosseau et Cie, Montreal.
" 12	" .....	23694	F. Mahen, Grenville....	3 tins.	45	" .....
" 12	" .....	23695	Hormisdas Lemay, Calumet.	3 "	30	Hudon Orsalé et Cie, Montreal.
" 13	" .....	23696	H. Drouin, Buckingham.	$\frac{1}{2}$ lb.	15	G. J. White & Son, Ottawa.
" 13	Dalley's Mustard.....	23697	A. D. Cameron ..	$\frac{1}{2}$ "	12	F. F. Dalley, Hamilton.
" 14	Mustard.....	23698	Isidore Bertrand, Hull, Que.	$\frac{1}{2}$ "	10	Not known.....
" 14	Mustard, compound ....	23699	Joseph Martel, Hull, Que.	$\frac{1}{2}$ "	9	C. H. Cochran & Co., Ottawa.
" 18	Mustard.....	23700	Frs. Jobin, St. Valie St., Que.	$\frac{1}{2}$ "	15	Whitehead & Turner, Quebec.
			<i>District of Montreal—J. J. Costigan, Inspector.</i>			
April 4	Mustard, compound ....	25113	V. Geoffrion, 1249 Ontario St., Montreal.	$\frac{1}{2}$ lb.	10	J. V. Boudriault, Montreal.
" 4	Mustard .....	25114	L. Allaire, 1008 Ontario St., Montreal.	$\frac{1}{2}$ "	20	" .....
" 4	" .....	25115	A. Dubuc, 948 Ontario St., Montreal.	$\frac{1}{2}$ "	15	Not known .....
" 4	" .....	25116	T. Montpetit, 2587 Notre Dame St., Montreal.	$\frac{1}{2}$ "	10	J. J. Duffy, Montreal...
" 5	" .....	25117	C. Campbell, 46 Cuthbert St., Montreal.	$\frac{3}{4}$ "	30	Not known.....
" 5	" .....	25118	Theo. Beauchamp, 591 St. Urbain St.	$\frac{1}{2}$ "	20	" .....
" 5	" .....	25119	J. C. A. Gratton, 870 St. Lawrence St.	$\frac{1}{2}$ "	14	" .....
" 5	" .....	25120	P. P. Boileau, 635 St. Dominique St.	$\frac{3}{4}$ "	30	" .....
" 5	" .....	25121	C. Gratton, 345 St. Hypolite St.	$\frac{1}{2}$ "	20	" .....
" 5	" .....	25122	J. Bussière, 771 Cadieux St.	$\frac{1}{2}$ "	15	" .....
" 5	" .....	25123	C. Leclair, 831 Cadieux St.	$\frac{1}{2}$ "	20	J. J. Duffy, Montreal...
" 5	" .....	25124	E. P. Guillmette.....	$\frac{1}{2}$ "	15	" .....
			<i>District of Kingston—J. J. Costigan, Inspector.</i>			
April 28	Mustard, compound ....	25171	Mrs. S. Laccasse, Perth St., Brockville.	$\frac{1}{2}$ lb.	15	Not known...
" 28	" .....	25172	W. M. Veitch, Perth St., Brockville.	$\frac{1}{2}$ "	10	" .....
" 28	Keen's Mustard, compound.	25173	G. W. Bissell, King St., Brockville.	$\frac{1}{2}$ "	15	" .....
" 26	Mustard .....	25167	W. J. Bovaird, King St., Prescott.	$\frac{1}{2}$ "	15	T. W. Chamberlin Co...



SESSIONAL PAPER No. 14  
GROUND MUSTARD—Continued.

Inspector's Report.	RESULTS OF ANALYSIS.				Remarks by the Chief Analyst.
	Moisture.	Oil or Fat.	Extract by Alcohol, 95 p.c. by Vol.	Microscopical Exami- nation.	
	p. c.	p. c.	p. c.		
Labelled as a compound...	8.20	4.60	9.04	Wheat flour and turmeric	Adulteration declared.
.....	8.64	4.72	7.80	Much starch and turmeric	Adulterated.
.....	7.80	13.40	12.96	" " "	"
Admixture .....	4.84	26.76	19.76	Trace of wheat starch...	Commercially pure.
" .....	5.32	26.04	20.16	" " "	"
.....	8.56	4.88	10.92	Much starch and turmeric	Adulterated.
.....	9.12	3.80	11.88	Much starch.....	"
Compound.....	10.00	3.68	10.88	Much starch and turmeric	Adulteration declared.
" .....	9.44	3.80	7.12	Much starch.....	" "
.....	9.52	2.68	5.52	Much starch and turmeric	Adulterated.
Labelled a compound.....	9.20	4.88	7.56	Wheat flour and turmeric	Adulteration declared.
.....	8.60	10.84	22.36	No starch but some tur- meric.	Doubtful.
After package was bought and paid for vendor wanted to mark it com- pound.	9.88	3.60	11.92	Much starch and turmeric	Adulterated.
.....	8.92	5.08	9.32	" " "	"
.....	8.40	12.60	13.20	Starch and turmeric.....	"
.....	8.60	11.20	13.60	Much starch and turmeric.	"
.....	8.08	11.40	13.92	" " "	"
.....	8.56	10.76	20.20	No starch but some tur- meric.	Doubtful.
.....	8.08	11.12	13.48	Starch and turmeric.....	Adulterated.
.....	8.36	10.92	14.20	Wheat flour and turmeric	Adulteration declared.
.....	8.60	9.32	14.36	Starch and turmeric.....	Adulterated.
.....	8.48	5.92	8.44	Much starch and turmeric	"
Sold as compound.....	8.56	2.48	11.80	Wheat flour and turmeric	Adulteration declared.
.....	7.92	1.72	11.00	Much starch and turmeric	Adulterated.
Sold as compound.....	6.40	11.68	13.64	Wheat flour and turmeric	Adulteration declared.
.....	6.48	8.40	25.52	No starch but much tur- meric.	Doubtful.



APPENDIX A.—INSPECTION OF

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by Vendor.
				Quantity.	Value.	
1904			<i>District of Kingston—Continued.</i>		Cts.	
April 26	Mustard, compound.....	25168	C. Whitney, King St., Prescott.	$\frac{1}{2}$ lb.	20	Not known.....
" 27	" .....	25169	H. L. B. Cornell, Kemptville.	$\frac{1}{2}$ "	13	" .....
" 27	" .....	25170	Larose & Co., Sussex St., Ottawa.	$\frac{1}{2}$ "	15	" .....
			<i>District of Toronto—J. J. Costigan, Inspector.</i>			
April 12	Mustard .....	25174	J. A. Johnson, 775 Yonge St., Toronto.	$\frac{1}{2}$ lb.	13	Not known .....
" 12	" compound.....	25175	W. Armstrong, 852 Yonge St., Toronto.	$\frac{1}{2}$ "	13	" .....
" 12	" .....	25176	Frank Giles, 822 Yonge St., Toronto.	$\frac{1}{2}$ "	13	Keen's .....
" 12	" compound.....	25177	Watsons Bros., 756 Yonge St., Toronto.	$\frac{1}{2}$ "	20	Not known. ....
" 12	" .....	25178	David Bell, 702 Yonge St., Toronto.	$\frac{1}{2}$ "	13	" .....
" 12	" .....	25179	G. J. Melhuish, 601 Yonge St., Toronto.	$\frac{1}{2}$ "	15	" .....
" 14	" compound.....	25180	J. B. Taylor, Welland, Ont.	$\frac{1}{2}$ "	20	" .....
" 14	" .....	25181	George Stalker, Welland, Ont.	$\frac{1}{2}$ "	10	" .....
			<i>District of London—T. Kidd, Inspector.</i>			
April 5	Mustard .....	22209	Geo. Williams, Guelph..	3 pkgs	15	Gorman & Eckart, London, Ont.
" 6	Pure mustard.....	22211	Stuebing & Co., Berlin..	3 "	30	" " "
" 6	" .....	22213	A. K. Roesch, Waterloo, Ont.	3 "	30	London Spice & Grocery Co., London.
" 8	Keen's Mustard .....	22219	Mitchell, Gill & Co., Strathroy, Ont.	3 "	40	A. M. Smith & Co., London, Ont.
" 9	Pure mustard.....	22222	R. Wanless & Co., Sarnia, Ont.	$\frac{1}{2}$ lb.	20	Dunn & Co., London, Eng. and Canada.
" 11	" .....	22224	Fred. Millman, Woodstock.	3 pkgs	25	F. F. Dalley & Co., Hamilton, Ont.
" 11	Mustard .....	22226	Chas. O'Neill. Ingersoll, Ont.	3 "	25	T. B. Escott & Co., London, Ont.



## SESSIONAL PAPER No. 14

GROUND MUSTARD—*Continued.*

Inspector's Report.	RESULTS OF ANALYSIS.			Microscopical Examination.	Remarks by the Chief Analyst.
	Moisture.	Oil or Fat.	Extract by Alcohol, 95 p.c. by Vol.		
	p. c.	p. c.	p. c.		
.....	7.24	6.68	14.08	Wheat flour and turmeric	Adulteration declared.
.....	7.76	3.40	7.12	Much starch and turmeric	Adulterated.
.....	7.96	4.52	10.88	" " "	"
.....	7.64	6.56	18.96	Much starch and turmeric	Adulterated.
.....	7.00	6.00	10.60	Wheat flour and turmeric	Adulteration declared.
.....	7.12	11.20	14.00	Much starch.....	Adulterated.
.....	7.60	7.68	10.24	Wheat flour and turmeric	Adulteration declared.
.....	7.72	3.56	9.84	" " "	" "
.....	7.92	5.24	9.80	Much starch and turmeric	Adulterated.
.....	8.28	5.20	10.24	Wheat flour and turmeric	Adulteration declared.
.....	6.60	13.76	20.24	No starch but a little turmeric.	Doubtful.
French mustard, so called .	7.78	1.08	10.44	Contains besides mustard tissue, wheat starch, fragments of linseed meal and acetic acid.	Adulterated.
.....	8.00	11.24	22.28	No starch, but a little turmeric.	Doubtful.
The label is evidently in- tended to resemble Keen's D. & F. mustard. It even quotes 38 and 39 Vic., cap. 63, which has reference to the English Adulteration Act.	8.64	3.00	9.36	Contains starch.....	Adulterated.
Admixture in which no in- jurious ingredient is used. 38 and 39 Vic., cap. 63.	5.00	25.20	18.84	A little wheat starch....	Commercially pure.
Guaranteed. Manufactured from the finest English seed and free from adul- teration.	7.96	11.80	24.00	A few granules wheat starch.	Doubtful.
Warranted free from adul- teration.	7.92	11.36	21.64	No starch but some tur- meric.	"
Labelled as containing fari- nacious ingredients.	9.00	6.52	10.24	Wheat flour.....	Adulterated.



APPENDIX A.—INSPECTION OF

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by Vendor.
				Quantity.	Value.	
1904.			<i>District of Winnipeg—W. M. Conklin, Inspector.</i>		Cts.	
April 20	Mustard .....	23936	A. R. Rose, Winnipeg, Man.	$\frac{1}{2}$ lb.	20	Not known.....
" 20	" .....	23938	W. L. Scott & Co., Winnipeg, Man.	$\frac{1}{2}$ "	20	" .....
" 20	" .....	23940	J. R. Clements, Winnipeg, Man.	$\frac{1}{2}$ "	15	" .....
" 20	" .....	23941	W. A. Ritchie, Winnipeg, Man.	$\frac{1}{2}$ "	20	" .....
			<i>District of Calgary—W. Fletcher, Inspector.</i>			
April 20	Mustard. ....	21784	L. B. Cochran, Calgary, Alta.	3 tins.	45	Keen's, London, Eng ...
" 20	Balfour's Tartan Brand.	21786	W. B. Marshall & Co....	3 "	30	Balfour & Co., Hamilton, Ont.
			<i>District of British Columbia—E. B. Parkinson, Inspector.</i>			
April 21	Mustard, Superior Durham.	24944	A. E. Buchanan, Central Park, Vancouver.	$\frac{3}{4}$ lb.	25	Oranitas Mfg. Co., Toronto, Ont.
" 22	" ..	24948	D. Woodward, Sapperton, B.C.	$\frac{3}{4}$ "	30	J. & J. Coleman & Son, London, Eng.
" 22	" ..	24950	Burnette Saw-mill store.	$\frac{3}{4}$ "	20	Keen's, London, Eng ....
" 22	French Mustard .....	24951	Mrs. Clara Butler, Keefer St., Vancouver.	3 bots.	45	Dandicolle & Gaudin, Bordeaux, France.
" 22	Mustard, Durham .....	24952	C. Boardman, Keefer St., Vancouver.	3 tins.	30	Climax Spice Co .....
" 23	Keen's Mustard. . . .	24955	E. F. Turner, Pender St., Vancouver.	3 "	45	Keen's, London, Eng ....



SESSIONAL PAPER No. 14

GROUND MUSTARD—*Concluded.*

RESULTS OF ANALYSIS.					Remarks by the Chief Analyst.
Inspector's Report.	Moisture.	Oil or Fat.	Extract by Alcohol, 95 p.c. by Vol.	Microscopical Exami- nation.	
	p. c.	p. c.	p. c.		
.....	8.16	13.84	12.40	Much starch and some turmeric.	Adulterated.
.....	7.28	5.24	12.16	" "	"
.....	9.20	6.52	10.80	Much starch. ....	"
.....	9.68	4.00	11.28	Much starch and tur- meric.	"
Admixture in which no in- jurious ingredients is used, 38 & 39 Vict., cap. 63.	6.40	28.20	19.08	A little wheat starch....	Commercially pure.
Compound; is manufac- tured from selected seeds and guaranteed to be superior quality.	7.40	14.40	23.80	A very little starch and some turmeric.	Doubtful.
Compound; warranted to be free from injurious ingre- dients.	9.12	5.74	7.00	Wheat flour .. ....	Adulteration declared.
.....	8.88	4.08	3.08	Much starch and tur- meric.	Adulterated.
.....	7.52	14.00	12.40	Much starch and a little turmeric.	"
.....	69.88	9.08	7.64	Similar to No. 22209....	"
.....	14.88	0.20	9.00	Contains starch .....	"
.....	5.72	28.40	18.68	A little wheat starch....	Commercially pure.



APPENDIX B.—INSPECTION

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by Vendor.
				Quantity.	Value.	
1904.			<i>District of Nova Scotia— R. J. Waugh, Inspector.</i>		Cts.	
July 28	Molasses. ....	20472	W. C. Anderson, Halifax, N.S.	1 pint	07	G. P. Mitchell & Sons, Halifax, N.S.
" 28	' Porto Rico ' .....	20473	R. T. Forristall, Halifax, N.S.	1 "	06	John Tobin & Co., Halifax, N.S.
" 28	Molasses ... ..	20474	Brown & Graham, Halifax, N.S.	1 "	07	Wentzell & Co., Halifax, N.S.
" 28	' F ' .....	20475	R. Urquhart & Son, Halifax, N.S.	1 "	07	Mitchell & Sons " ..
" 28	Barbadoes .....	20476	W. J. Hopgood, Halifax, N.S.	1 "	07	" " ..
" 28	Molasses .....	20477	Burgess & Quin, Halifax, N.S.	1 "	07	Billman & Chisholm " ..
" 28	" .....	20478	C. E. Choat & Co., Halifax, N.S.	1 "	06	L. M. Cintron, Fajardo, Porto Rico.
" 28	" .....	20479	" " ..	1 "	05	G. P. Mitchell & Sons .....
" 29	Lion Brand ... ..	20480	F. P. Campbell & Co., Halifax, N.S.	1 "	07	Hodge, Bind & Leon, Porto Rico.
" 29	Three Star. ....	20481	H. W. Wentzell, Halifax, N.S.	1 "	.....	Dominion Molasses Co ....
" 29	Barbadoes Beaver ..	20482	Dominion Molasses Co...	1 "	.....	Not known .....
" 29	D. Barbadoes ...	20483	" " ..	1 "	.....	" .....
" 29	Porto Rico Beaver Brand.	20484	" " ..	1 "	.....	" .....
	<i>Direct Importation.</i>		<i>District of New Brunswick— J. C. Ferguson, Inspector.</i>			
July 21	Molasses .....	23856	Baird & Peters, Ward St., St. John, N.B.	3 pint jars.	15	Cintron, Fajardo, Porto Rico, West Indies.
" 21	" .....	23857	" " ..	3 "	15	Birdy Leon, Fajardo, Porto Rico, West Indies.
" 22	" .....	23858	" " ..	3 "	15	Da Costa & Co., Barbadoes, West Indies.
" 22	" .....	23859	" " ..	3 "	15	Hartmann, Eagle, Arrayo, Porto Rico.
" 25	" .....	23860	W. Frank Hatheway, 17 South Wharf, St. John, N.B.	3 "	15	Jones & Swan, Barbadoes, West Indies.
" 25	" .....	23861	George E. Barbour, 11 South Wharf, St. John, N.B.	3 "	15	Fritz, Lund & Co., Mayagueze, Porto Rico, W.I.
" 26	' Linda Brand,' Porto Rico.	23862	S. S. DeForest, 49 Dock St., St. John, N.B.	3 "	32	L. G. Crosby, St. John, N.B.
" 26	*Porto Rico Molasses.	23863	Hall & Fairweather ....	3 "	15	Baird & Peters " ..
" 28	Porto Rico Molasses.	23864	L. G. Crosby, Nelson St., St. John, N.B.	3 "	15	Shipped to vendor from Saunders, Philippe & Co., Mayagueze, Porto Rico.
" 28	Barbadoes Molasses.	23865	" " ..	3 "	15	Furnished to vendor by Jones & Swan, Barbadoes, B.W.I.
" 28	" ..	23866	P. Nase & Son, Ltd., Main St., north end, St. John, N.B.	3 "	15	Furnished to vendors by W. F. Hatheway & Co., Ltd., shippers, Wilkinson & Co., Barbadoes, W.I.

\* Forge, Birdy Leon. Fajardo, Porto Rico, shippers.



SESSIONAL PAPER No. 14  
OF MOLASSES.

Total Alcohol Extract.	Water.	ALCOHOL EXTRACT.			Water extract or colouring matter.	Residue.	Total.	Cane Sugar by Clerget.	Direct Saccharimeter by A. McG.	Difference by direct reading.	ASH.				Ratio of Alkalinity to Earthy Carbonates.	Remarks by the Chief Analyst.
		Reducing sugar as Dextrose.	Cane Sugar as Sucrose.	Non-sugars.							Soluble in Water.	Soluble in Acid.	Insoluble in Acid.	Total.		
p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
64.55	25.50	31.83	21.70	11.02	9.95	0.00	100.00	37.5	39.8	-6.7	1.62	0.27	0.10	1.99	0.16	Adulterated. Genuine.
60.32	31.80	17.01	39.36	3.95	7.70	0.18	100.00	42.8	45.0	+2.2	1.48	0.63	0.04	2.15	0.43	
61.05	31.65	12.64	42.13	6.28	7.20	0.10	100.00	45.4	47.6	+2.2	1.94	0.62	0.05	2.62	0.32	"
60.62	30.20	18.71	35.33	6.58	9.10	0.07	99.99	37.5	42.0	+4.5	1.25	0.80	0.06	2.11	0.64	"
65.00	27.47	24.06	33.67	7.27	7.42	0.10	99.99	38.0	33.6	-4.4	0.80	0.50	0.09	1.39	0.62	Doubtful.
62.67	30.57	14.34	40.87	7.46	6.62	0.13	99.99	45.3	46.6	+1.3	1.51	0.61	0.04	2.16	0.40	Genuine.
62.92	29.52	9.62	45.58	7.72	7.55	0.00	99.99	44.5	46.4	+1.9	1.28	0.68	0.06	2.02	0.53	"
57.50	30.67	10.16	40.10	7.24	11.62	0.20	99.99	45.4	47.6	+2.2	1.42	0.71	0.07	2.20	0.50	"
61.35	30.02	20.29	37.98	3.08	8.37	0.25	99.99	44.0	46.0	+2.0	1.49	0.69	0.05	2.23	0.46	"
60.37	30.50	18.35	37.06	4.96	8.97	0.15	99.99	45.2	46.4	+1.2	1.76	0.60	0.04	2.40	0.34	"
64.10	32.33	7.29	50.45	6.36	3.62	0.00	100.05	53.0	56.4	3.4	0.84	0.69	0.06	1.59	0.82	"
65.90	30.10	6.75	54.16	4.99	4.30	0.00	100.30	53.9	56.8	2.9	1.19	0.75	0.07	2.01	0.63	"
65.13	29.58	18.25	39.66	7.22	5.87	...	100.58	45.2	46.0	0.8	0.83	0.07	0.10	1.70	0.93	"
64.60	30.75	12.25	45.12	7.23	4.98	...	100.30	47.6	51.4	3.8	1.11	0.65	0.07	1.83	0.59	Genuine.
65.12	30.68	13.95	48.89	2.28	4.70	...	100.50	47.0	49.0	2.0	0.89	0.75	0.08	1.72	0.84	"
65.15	30.72	10.75	48.21	6.19	4.65	...	100.52	49.7	54.0	4.3	1.25	0.80	0.10	2.15	0.63	"
64.55	30.03	12.75	47.55	4.25	5.92	...	100.50	47.6	50.0	2.4	1.42	0.86	0.10	2.38	0.60	"
64.20	32.40	6.75	54.72	2.73	3.55	...	100.15	52.9	58.0	5.1	1.24	0.68	0.08	2.00	0.55	"
64.60	30.37	13.25	47.26	4.09	5.55	...	100.52	46.8	50.1	3.2	1.09	0.76	0.07	1.92	0.70	"
61.83	31.68	14.75	41.33	5.75	6.88	...	100.39	41.6	42.8	1.2	1.80	1.20	0.10	3.10	0.66	"
65.82	29.22	16.77	46.09	2.96	4.96	...	100.00	47.4	48.8	1.4	0.84	0.73	0.03	1.60	0.87	"
65.35	27.77	16.77	41.45	7.13	6.88	0.00	100.00	41.3	41.4	0.1	1.60	1.05	0.10	2.75	0.66	"
68.37	28.02	6.56	53.57	8.24	3.35	0.26	100.00	55.4	58.0	2.6	0.80	0.60	0.08	1.48	0.75	"
68.37	28.02	12.64	49.78	5.95	3.35	0.26	100.00	41.8	43.4	1.6	1.56	0.58	0.10	2.24	0.37	"



APPENDIX B.—INSPECTION

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by Vendor.
				Quantity.	Value.	
1904.			<i>District of New Brunswick—Concluded.</i>		Cts.	
July 29	Porto Rico Molasses.	23867	R. R. Patchell, Stanley St., north end, St. John, N.B.	3 pint jars.	15	Furnished to vendor by Baird & Peters, shippers to B. & P. Cintron, Fajardo, Porto Rico.
			<i>District of Montreal—J. J. Costigan, Inspector.</i>	.		
July 26	Barbadoes Molasses.	25051	A. Paquette, 178 St. Paul St., Montreal.	1 qrt.	10	Hudon, Hebert & Co., Montreal.
" 27	Pure Barbadoes Molasses.	25052	A. Laurandeau, 159 St. Paul St., Montreal.	1 "	10	Not known.....
" 27	Barbadoes Molasses.	25053	C. Coderre, 1358 Notre Dame St., Montreal.	1 "	12	L. Chaput, fils et Cie.....
" 27	" "	25054	F. Willoughby & Co., William St., Montreal.	2 1 "	15	J. A. Matheson.....
" 27	Pure Barbadoes Molasses.	25055	Imperial Syrup Co., Grey Nuns St., Montreal.	3 tins.	25	Put up by vendor in 2-lb. tins.
" 27	Barbadoes Molasses.	25056	M. de Repentigny, 129 Wellington St., Montreal.	1 qrt	15	N. Quintal et fils.....
" 28	Molasses .....	25057	A. R. M. Legault, 98 Workman St., Montreal.	1 "	12	Laporte, Martin & Co. ....
" 28	" .....	25058	E. Cousineau, 101 Delisle St., Montreal.	1 "	12	" " .....
" 28	" .....	25059	Louis Aumais, 543 Albert St., Montreal.	1 "	12	Not known ....
" 28	" .....	25060	T. Montpetit-et Cie, Notre Dame St., Montreal.	1 "	14	Hudon, Hebert & Co., Montreal.
Aug. 19	Liquid Part....	A	Taken at St. John, N.B. by Chief Analyst.	.....		In bonded warehouse of Fitzpatrick, marked Arkadia, supposed to have been treated in New York.
" 19	Deposit in bottom of cask.	B	.....	.....		Same as foregoing but consisting of deposit.
" 19	Liquid Part.....	C	.....	.....		In private warehouse of Jones & Schofield, marked L. M. Cintron, Porto Rico, supposed to have been treated in Halifax.
" 19	Deposit in bottom of cask.	D	.....	.....		Same as foregoing but consisting of deposit.
" 19	Molasses ....	E	(In all these casks smell of sulphurous acid at the bung, but this is also the case with some casks of genuine molasses.)	.....		In Morrisons' bonded warehouse branded Fritz, Lindt & Co. There is no deposit in this cask ; seized by customs.
" 23	" .....	1	From tank in works of Dominion Molasses Co., Halifax.	.....		British Islands.....
" 23	" .....	2	" .....	.....		" .....
" 23	" .....	3	" .....	.....		" .....
" 23	" .....	4	From warehouse of Dominion Molasses Co., Halifax.	.....		Linda, Porto Rico .....
" 23	" .....	5	" .....	.....		A. & Co., Ponce, Porto Rico.



SESSIONAL PAPER No. 14  
OF MOLASSES—Continued.

Total Alcohol Extract.	Water.	ALCOHOL EXTRACT.			Water extract or colouring matter.		Total.	Cane Sugar by Clerget.	Direct Saccharimeter by A. McG.	Difference by direct reading.	ASH.				Ratio of Alkalinity to Earthy Carbonates.	Remarks by the Chief Analyst.
		Reducing Sugar as Dextrose.	Cane Sugar as Sucrose.	Non-sugars.							Soluble in Water.	Soluble in Acid.	Insoluble in Acid.	Total.		
p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
63.45	31.50	13.00	48.42	2.03	5.05	0.00	100.00	48.2	51.0	2.8	0.95	0.70	0.07	1.72	0.74	Genuine.
62.35	31.65	12.18	49.05	1.12	6.00	0.00	100.00	47.0	49.0	2.0	1.67	0.70	0.04	2.41	0.42	Genuine.
63.25	31.07	12.18	39.50	11.57	5.50	0.18	100.00	45.0	46.8	1.8	1.55	0.71	None	2.26	0.46	"
62.80	32.70	8.87	41.21	12.72	1.50	0.00	100.00	49.2	52.0	2.8	1.70	0.59	0.04	2.33	0.35	"
64.40	31.12	12.18	39.36	12.86	4.25	0.23	100.00	48.3	51.2	2.9	1.17	0.58	None	1.75	0.49	"
63.12	32.22	12.18	46.15	4.79	4.20	0.46	100.00	46.4	48.6	2.2	1.28	0.80	0.06	2.14	0.62	"
62.40	29.50	15.79	38.79	7.82	7.90	0.20	100.00	43.1	42.4	0.7	1.24	0.57	0.01	1.82	0.46	"
63.22	31.50	10.20	48.03	4.99	4.57	0.71	100.00	50.6	51.6	1.0	1.33	0.54	None	1.87	0.41	"
64.67	31.72	11.54	46.78	6.35	3.10	0.51	100.00	47.0	51.6	4.6	0.95	0.53	"	1.48	0.55	"
62.15	32.45	11.54	43.27	7.34	4.65	0.75	100.00	44.8	48.0	3.2	.....	.....	.....	.....	.....	"
.....	.....	.....	.....	.....	.....	.....	.....	47.0	50.0	3.0	.....	.....	.....	.....	.....	"
55.23	33.90	19.80	29.79	5.64	10.22	0.65	100.00	46.1	43.8	-2.3	2.29	1.00	0.13	3.42	0.43	"
67.87	21.92	21.02	42.61	4.24	10.20	0.00	99.99	67.2	65.4	-1.8	1.60	1.02	0.24	2.86	0.63	Doubtful.
60.00	32.93	18.96	36.24	4.80	7.07	0.00	100.00	48.8	47.6	-1.2	1.15	0.79	0.11	2.05	0.68	Genuine.
78.96	16.83	13.48	62.94	2.44	4.20	0.00	99.99	72.5	71.4	1.1	1.15	0.59	0.07	1.83	0.51	"
57.72	32.15	21.38	33.59	2.75	10.12	0.00	99.99	44.5	41.2	3.3	2.12	0.81	0.06	2.99	0.38	Doubtful.
61.48	31.50	15.31	43.98	2.19	7.02	0.00	100.00	48.8	48.8	.....	1.87	0.95	0.05	2.87	0.50	Genuine.
60.80	32.00	15.19	43.64	1.97	7.20	0.00	100.00	50.8	51.2	+0.4	2.22	0.90	0.10	3.22	0.40	"
63.30	31.38	14.83	45.71	2.75	5.32	0.00	99.99	48.5	48.4	-0.1	1.87	0.98	0.04	2.89	0.52	"
63.30	31.32	28.25	31.83	3.22	5.57	0.00	100.19	50.2	50.6	+0.4	1.10	0.55	0.03	1.68	.....	Doubtful
64.05	30.45	32.50	25.65	5.90	6.25	0.00	100.75	47.8	45.6	-2.2	0.94	0.62	0.02	1.58	.....	"



APPENDIX B.—INSPECTION

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Sender.	Cost.		Name and Address of Furnisher.
				Quantity.	Value.	
1904.					Cts.	
Aug. 15	Banner Golden Syrap.	...	From works of Imperial Starch Co., Ltd., Prescott.			
" 15	Corn Syrup	...	" "			
" 15	Starch Syrup	...	Bought from Skinner & Co., Ottawa.			
Aug. 12	Barbadoes Molasses.	1	Customs Department, St. John.			Jas. A. Lynch, Bridgetown, Barbadoes, W.I.
" 12	" "	2	" "			Da Costa & Co
" 12	Porto Rico "	3	" "			A. Hartmann & Co., Arroyo, Porto Rico
" 12	" "	4	" "			L. M. Cintron, Fajardo, Porto Rico.
" 12	" "	5	" "			Jurge, Bird & Son, Fajardo, Porto Rico.
" 12	Demerara	33	Customs Department, Halifax.			No mark
" 12	"	34	" "			Sandbach, Parker & Co
" 12	Barbadoes	35	" "			" E. M."
" 12	Porto Rico	36	" "			Extra choice
" 12	Trinidad.	37	" "			" M. W. M."
" 12	"	38	" "			" M. S."
" 12	"	39	" "			" R."
...	W. I. Molasses-Palma.	(a)	Whitehead & Turner, Quebec.			W. I. Molasses.
...	"	(b)	" "			"
...	"	(c)	" "			"
Sept. 8	Mayflower.	...	New Orleans Open Kettle Molasses.			Sample obtained in New York
" 8	S. Folse	...	" "			" "
" 8	Avalon	...	New Orleans Centrifugal Molasses.			" "
" 8	Lida Grove.	...	" "			" "
" 8	St. Louis.	...	Sample Corn Syrup			" "
...		...	Sugar House Syrup from Halifax.			
...		1	Sugar House Syrup obtained in New York.			
...		2	" "			
...		3	" "			
...		4	" "			
...		5	" "			
...		6	" "			
...		21	" "			
...		218	" "			
...		541	" "			



SESSIONAL PAPER No. 14  
OF MOLASSES . *Concluded.*

Total Alcohol Extract.	ALCOHOL EXTRACT.				Water extract or colour- ing matter.	Residue.	Total.	Cane Sugar by Clerget.	Direct Saccharimeter by A. Mc G.	Difference by direct reading.	ASH.				Ratio of Alkalinity to Earthy Carbonates.	Remarks by the Chief Analyst.
	Water.	Reducing Sugar as Dextrose.	Cane Sugar as Sucrose.	Non-sugars.							Soluble in Water.	Soluble in Acid.	Insoluble in Acid.	Total.		
p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
67.55	25.85	43.75	1.90	21.90	7.05	0.00	100.45	6.3	.....	.....	0.69	0.06	0.18	0.93	...	
75.60	10.80	52.25	3.56	19.79	14.20	0.00	100.60	2.5	.....	.....	.....	.....	.....	.....	.....	
63.75	11.30	41.75	1.75	20.25	25.15	0.00	100.20	3.4	.....	.....	0.24	0.11	0.04	0.39	...	
66.95	29.13	13.73	46.98	6.24	3.92	0.00	100.00	48.1	46.6	1.5	1.15	0.52	1.00	1.67	0.45	
64.07	31.45	9.11	51.37	3.59	4.46	0.00	100.00	51.5	55.0	+	3.5	0.92	0.76	0.10	1.78	0.83
65.50	29.52	11.30	48.13	6.07	4.97	0.00	99.99	50.0	52.0	+	2.0	1.26	0.68	0.00	1.94	0.54
65.60	30.07	13.61	51.71	0.28	4.32	0.00	99.99	48.5	49.6	+	1.1	0.96	0.64	0.09	1.69	0.66
63.47	31.17	18.95	39.14	5.38	5.35	0.00	99.99	49.9	49.7	-	0.2	0.86	0.67	0.12	1.65	0.79
64.52	27.57	25.39	18.84	20.29	7.80	0.10	99.99	41.3	38.7	-	2.6	2.26	0.48	0.12	2.86	0.21
65.27	28.08	22.12	40.74	2.41	5.90	0.00	99.99	46.6	45.0	-	1.6	1.56	0.46	0.05	2.07	0.30
65.00	30.30	18.10	41.44	5.46	4.70	0.00	100.00	48.9	48.3	-	0.6	1.02	0.50	0.04	1.56	0.49
66.60	28.52	17.13	38.55	10.92	4.82	0.05	99.99	48.5	49.0	+	0.5	0.94	0.61	0.15	1.70	0.65
66.97	26.25	21.50	32.32	13.14	6.78	0.00	99.99	46.6	42.8	-	3.8	1.59	1.32	0.18	3.09	0.83
65.05	29.05	22.36	38.78	3.90	5.55	0.35	99.99	44.0	45.2	+	1.2	0.84	0.84	0.07	1.75	1.00
60.57	27.47	26.49	28.74	5.34	11.70	0.25	99.99	34.8	31.8	-	3.0	2.85	2.06	0.27	5.18	0.72
65.85	30.37	8.26	47.10	10.49	3.77	0.00	100.00	55.0	58.5	+	3.5	0.95	0.67	0.07	1.69	0.70
65.35	31.12	10.69	50.33	4.33	3.45	0.08	100.00	51.2	54.6	+	3.4	1.00	0.71	0.07	1.78	0.71
65.12	31.17	6.68	49.06	9.38	3.67	0.03	99.99	51.1	54.6	+	3.5	0.90	0.82	0.06	1.78	0.91
57.90	32.42	15.75	38.24	3.91	10.15	0.00	100.44	47.2	43.6	-	3.6	2.54	0.54	0.03	3.11	...
62.00	31.95	10.00	49.40	2.60	6.18	0.00	100.13	51.2	50.6	-	0.6	1.94	0.69	0.03	2.66	....
47.92	30.15	23.75	14.72	9.45	22.18	0.00	100.25	25.8	12.6	-	13.2	2.82	2.41	0.08	5.31	...
49.03	33.00	15.50	21.14	12.39	18.50	0.00	101.53	35.9	23.8	-	12.1	4.34	1.45	0.03	2.66	....
58.10	23.60	30.50	4.04	23.56	18.05	0.26	100.00	2.2	78.5	+	0.0	0.38	0.17	0.05	0.60	....
67.52	25.87	17.50	32.14	17.88	6.61	0.00	100.00	42.0	41.0	-	1.0	3.46	0.72	0.07	4.25	0.21
72.52	21.02	24.30	21.64	26.58	6.46	0.00	100.00	39.5	37.4	-	2.1	3.34	1.28	None	4.62	0.38
68.60	24.15	21.97	25.30	21.33	7.25	0.00	100.00	36.4	34.0	-	2.4	2.47	1.41	0.07	3.95	0.57
70.35	22.37	24.30	31.77	14.28	7.28	0.00	100.00	37.3	34.8	-	2.5	2.13	1.40	0.04	3.57	0.66
72.77	21.52	22.97	35.91	13.89	5.71	0.00	100.00	39.5	36.4	-	3.1	3.04	0.30	None	3.34	0.01
70.32	23.12	22.12	35.85	12.35	6.56	0.00	100.00	36.6	35.0	-	1.6	2.39	1.00	0.08	3.47	0.42
70.55	22.92	23.33	26.69	20.53	6.53	0.00	100.00	37.1	34.4	-	2.7	2.17	1.57	0.08	3.82	0.72
64.37	26.35	17.50	34.17	12.70	9.28	0.00	100.00	34.6	33.6	-	1.0	4.45	1.90	0.05	6.40	0.42
68.10	24.20	20.90	37.44	9.76	7.70	0.00	100.00	39.1	36.6	-	2.5	3.80	1.74	0.03	5.05	0.46
68.12	23.92	21.97	27.90	18.25	7.96	0.00	100.00	33.2	30.8	-	2.4	4.06	0.14	0.02	4.22	0.03



APPENDIX C. INSPECTION OF WHEATEN FLOUR.

Date of collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by Vendor.	Result of Microscopical Examination.
				Quantity.	Value.		
1905.			<i>District of Halifax - R. J. Waugh, Inspector.</i>	Lbs.	\$ cts.		
Feb. 21	Seal Brand Flour...	20272	G. A. Cook & Co., Halifax.....	3	0 11	Woods' Bros. Milling Co., Brantford, Ont.	No foreign starch.
" 21	Thistle Brand Flour.	20273	C. E. Cheat & Co. " .....	3	0 11	Kerr Milling Co., Dundas, Ont.....	"
" 22	Seal Brand Flour...	20275	W. H. Wentzell & Co., wholesalers, Halifax.	3	0 12	Woods' Bros. Milling Co., Brantford, Ont.	"
" 22	Thistledown Brand Flour.	20276	C. Upham, Halifax.....	3	0 10	Kerr Milling Co., Dundas, Ont.....	"
" 22	Kismet Brand Flour	20277	Dillon Bros., wholesale dealers, Halifax...	3	0 12	R. A. Thompson, Lynden, Ont.....	"
" 28	" " "	20279	E. M. Walker, Dartmouth, N.S.....	3	0 10	" " "	"
" 28	Peacemaker Brand Flour.	20280	G. E. DeWolfe & Son, Dartmouth, N.S.	3	0 12	Hadley, Shaw Milling Co., St. Catharines, Ont.	"
Feb. 23	Imperial Brand Flour	24418	Geo. Packham, Charlottetown, P.E.I....	1½	0 05	John Campbell, St. Thomas, Ont....	No foreign starch.
" 23	Beaver Brand Flour.	24420	John McKenna " .....	1½	0 06	F. H. Taylor, Chatham, Ont.....	"
			<i>District of New Brunswick - J. C. Ferguson, Inspector.</i>				
Feb. 10	Golden Sheaf Brand Flour.	23870	Northrup & Co., South Wharf, St. John, N.B.	1½	0 10	Cawthrope & Co., Norwich, Ont.....	No maize starch.
" 10	Buffalo Brand Flour	23871	" " .....	1½	0 10	Lake Huron and Manitoba Milling Co., Goderich, Ont.	"
" 13	Golden Eagle Flour.	23872	W. Frank Hatheway, South Wharf, St. John, N.B.	1½	.....	Elias W. B. Snider, St. Jacobs, Ont....	"
" 15	Rose's High Grade Flour.	23874	Fred E. Rose, King St., St. Stephen, N.B.	1½	0 10	Tilson Co., Ltd., Tilsonburg, Ont.....	"
" 16	Ogilvie's Hungarian Flour.	23876	Hugh O'Neill, Regent St., Fredericton..	1½	0 10	Ogilvie's Royal Mills, Montreal, Que....	"
" 22	Five Roses Flour. . .	23878	W. B. McKay & Co., Main St., Sussex, N.B.	1½	0 10	Lake of the Woods Milling Co., Keewatin.	"
" 23	Ogilvie's Royal Household Flour.	23881	The Two Barkers, Ltd., Main St., Moncton.	1½	0 10	Ogilvie's Royal Mills, Montreal, Que....	"



District of St. Hyacinthe—J. C. Rouleau, Inspector.				District of Kingston—J. J. Costigan, Inspector.				District of Toronto—J. J. Costigan, Inspector.									
Feb.	15	Brand 'A' Flour	24631 Jos. Dauphinais, Village St. Hilaire.	1	0 03	Ogilvie Milling Co.	No maize starch.	Feb.	9	Anchor Brand Flour	25350 C. H. Tate & Son, Perth	2		Manufactured by vendor.	Sample taken	No maize starch.	
"	"	15 Brand 'Admiral' Flour.	24632 Jos. Pigeon, Belœil, Que.	1	0 03	Myers Milling Co., Listowell, Ont.	"	"	9	Bridal Veil Flour.	25351 R. Burris, Perth	1 1/2	0 05	at mill from bin.	"	"	
"	"	15 Wheaten Flour.	24633 E. Perras, St. Lambert.	1	0 04	Hudon, Hebert & Co., Montreal.	"	"	8	Royal Household Flour.	25352 C. B. McLean, 137 Bank St., Ottawa.	1 1/2	0 05	Robinson and Sons, Smith's Falls.	"	"	
"	"	15 Brand 'Norval' Flour.	24634 Lord & Fournier, St. Jean, Quebec	1	0 05	Norval Roller Mills, Norval, Ont.	"	"	"	9	Patent Flour.	25353 M. R. McDonald, Perth, Ont.	1 1/2	0 05	Ogilvie Flour Mills Co.	"	"
"	"	15 " " "	24635 A. Foisy, St. Jean, Quebec.	1	0 03	"	"	"	10	Star Flour	25354 D. Hutchinson, Market Square, Kingston, Ont.	1 1/2	0 05	H. Brown & Sons, Carleton Place.	"	"	
"	"	15 " " "	24636 L. Moreau	1	0 04	"	"	"	"	10	Hungarian Flour.	25355 " "	1 1/2	0 05	Seaforth Milling Co.	"	"
"	"	15 Royal Household Flour.	24637 Buzzell Bros., Cowansville, Que.	1	0 04	Ogilvie Milling Co.	"	"	"	10	Royal Gem Flour	25356 " "	1 1/2	0 05	Ogilvie Flour Mills Co.	"	"
"	"	15 " " "	24638 C. H. Boright, Sweetsburg, Que.	1	0 03	"	"	"	"	10	Perlwass Flour.	25357 Wm. Peters & Bros., 117 Brock St., Kingston.	1 1/2	0 05	Listowell Flouring Mills.	"	"
"	"	16 Crescent Brand	24639 Jos. Brodeur et Cie, St. Hyacinthe.	1	0 03	"	"	"	"	10	Standard Flour.	25358 W. J. Gillies, Pitt St., Cornwall.	1 1/2	0 05	Martin McGillis, Moulinette, Ont.	"	"
"	"	16 Jubilee Brand	24640 O. Brodeur, St. Hyacinthe.	1	0 03	"	"	"	"	10	Strong Bakers Flour	25359 " "	1 1/2	0 05	Jas. Cummings, Lyn, Ont.	"	"
District of Toronto—J. J. Costigan, Inspector.								District of Toronto—J. J. Costigan, Inspector.									
Feb.	15	Five Roses Flour	25372 J. W. McFarren, 214 Queen St., East, Toronto.	2	0 07	Lake of the Woods Milling Co.	No maize starch.	Feb.	15	Tip Top Flour	25373 " "	2	0 07	Howland & Elliott, Lambton Mills.	"	"	
"	"	15 White Rose Flour.	25374 Wm. Forster, 104 Queen St., East, Toronto.	2	0 08	Alex. Brown Milling Co., Toronto.	"	"	"	15	Elgin Flour.	25375 Kelly Bros., 90 Queen St., East, Toronto.	3 1/2	0 13	John Campbell, St. Thomas.	"	"
"	"	16 Our Standard Flour.	25376 J. S. Kyle, Oshawa, Ont.	2	0 06	R. W. Dixon, Oshawa Mills.	"	"	"	16	Wonder Flour.	25377 " "	2	0 06	F. L. Green, Oshawa, Ont.	"	"
* Half Manitoba and half Ontario wheat.								† These samples were sold to the parties by the firm of C. R. Cousins, St. John, Que.									



## APPENDIX C.—INSPECTION OF WHEATEN FLOUR—Concluded.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by Vendor.	Result of Microscopical Examination.
				Quantity.	Value.		
1905.			<i>District of Toronto—Concluded.</i>	Lbs.	¢		
Feb. 16	Gold Medal Flour.	25378	M. C. Devins, Oshawa, Ont.	2	0 06	R. W. Dixon, Oshawa, Ont.	No maize starch.
" 16	Pastry Flour.	25379	" "	2	0 06	Chas. Horn, Hampton, Ont.	"
" 17	Gold Medal Flour.	25380	Lake & Bailey, Millers, Hamilton.	1½	0 06	These samples were taken on the premises from the packers from which the flour was run into bags for shipment.	"
" 17	Lily White Flour.	25381	" "	1½	0 06	Sample taken on the premises from the packer.	"
" 17	Gold Seal Flour.	25382	Bennett Bros., Millers, Hamilton.	1½	0 06	Bag prepared for shipment.	"
" 17	Pride of the West Flour.	25383	" "	1	0 05		"
			<i>District of London T. Kidd, Inspector.</i>				
Feb. 8	Wheaten Flour.	22231	Edward Flaherty, Stratford, Ont.	1	0 05	Hodd & Cullen, Stratford.	No maize starch.
" 8	Maple Leaf Flour.	22233	Neal & Matherson, St. Mary's.	1	0 05	Vendor.	"
" 9	Hunt's Diamond Brand Flour.	22235	Chas. Cowan, 400 Talbot St., London.	1	0 05	Hunt Bros., London.	"
" 9	Kent Flour.	22240	Canada Flour Mills, Chatham.	1	0 05	H. J. Stephens, Chatham.	"
" 10	Beaver Flour.	22241	T. H. Taylor & Co., Chatham.	1	0 05	J. H. Taylor & Co., Beaver Mills, Chatham.	"
" 10	Diamond Flour.	22243	Orr Bros., Windsor.	1	0 05	Vendor.	"
" 10	Gold Medal Flour.	22244	John Scott & Co., Windsor, Ont.	1	0 05	T. R. Hood, Harrow, Ont.	"
" 13	Five Star Flour.	22245	Lake Huron Milling Co., Goderich.	1	0 05	Vendor.	"
" 14	Gilt Edge Flour.	22248	N. Dietrich & Son, Goderich, Ont.	1	0 05	"	"
" 15	Wave Crest Flour.	22249	Seaforth Milling Co., Seaforth.	1	0 05	"	"
			<i>District of Manitoba W. M. Conklin, Inspector.</i>				
Feb. 16	Wheaten Flour.	23945	W. Dowling & Co., Brandon.	1½	0 05	The Alexander Milling Co., Brandon.	No maize starch.
" 17	"	23947	The Lake of the Woods Milling Co., Portage la Prairie.	1½	0 05	Vendor.	"
" 17	"	23948	The Alex. Brown Milling Co., Portage la Prairie.	1½	0 05	"	"
" 18	"	23952	Robinson & Co., Winnipeg.	1½	0 05	Ogilvie Milling Co., Winnipeg.	"
" 18	"	23953	J. G. Hargrave & Co., Winnipeg.	1½	0 05	The Lake of the Woods Milling Co.	"
" 18	"	23954	E. B. Nixon, Winnipeg.	1½	0 05	The Alexander Milling Co., Brandon.	"







## APPENDIX D.

STATEMENT of the results of testing 18 samples of Bread for Alum.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher, as given by Vendor.	Remarks by the Analyst.
				Quant-ity.	Value.		
			<i>Ottawa.</i>	Leaves.	\$ cts.		
Mar. 21	Bread "W." .....	26534	Mrs. A. E. Slinn, 163 Bank St. ....	1	0 12	Taken from waggon on street .....	No reaction for alum.
" 21	" (fancy) .....	26535	" .....	1	0 12	" .....	"
" 21	" .....	26536	M. Cunningham, 644 Cumberland St. ....	1	0 12	" .....	"
" 21	" .....	26537	Jas. G. Warnock, Sussex St. ....	1 <sup>1</sup> / <sub>2</sub>	0 17	" .....	"
" 21	" .....	26538	A. Gauthier, Janeville .....	1 <sup>1</sup> / <sub>2</sub>	0 15	" .....	Doubtful.
" 21	" (fancy) .....	26539	" .....	2	0 11	" .....	No reaction for alum.
" 21	" (homemade) .....	26540	Jamieson & Co., 532 Wellington St. ....	1 <sup>1</sup> / <sub>2</sub>	0 18	" .....	"
" 21	" .....	26541	" .....	2	0 12	" .....	Gives decided reaction for alum.
" 21	" .....	26542	G. Mercier, 288 Clarence St. ....	1 <sup>1</sup> / <sub>2</sub>	0 17	" .....	"
" 21	" .....	26543	" .....	1	0 10	" .....	"
" 21	" .....	26544	N. Giroux, 74 George .....	1 <sup>1</sup> / <sub>2</sub>	0 15	" .....	Reaction doubtful.
" 21	" (homemade) .....	26545	Jas. G. Warnock, Sussex St. ....	1 <sup>1</sup> / <sub>2</sub>	0 18	Taken at store of vendor. ....	No reaction for alum.
" 21	" .....	26546	" .....	1 <sup>1</sup> / <sub>2</sub>	0 15	" .....	"
" 21	" .....	26547	" .....	1 <sup>1</sup> / <sub>2</sub>	0 18	" .....	"
" 21	" (homemade) .....	26548	Hiff Bros., 170 Rideau St. ....	1 <sup>1</sup> / <sub>2</sub>	0 18	" .....	Gives a decided reaction for alum
" 21	" .....	26549	" .....	1 <sup>1</sup> / <sub>2</sub>	0 12	" .....	"
" 21	" .....	26550	G. W. Shouldis, 145 Cambridge St. ....	1	0 12	" .....	No reaction for alum.
" 21	" (Vienna) .....	26551	" .....	1	0 12	" .....	"



## APPENDIX E.

## BULLETIN No. 101.—STANDARD FERTILIZERS, 1905.

OTTAWA, 7th April, 1905.

WM. HIMSWORTH, Esq.,

Acting Deputy Minister of Inland Revenue.

SIR,—I beg to submit the result of analysing 117 standard samples of fertilizers, which, in accordance with the provisions of the Fertilizers Act, 1890, were sent to the Minister of Inland Revenue as representing the goods which the manufacturers propose to offer for sale in the Dominion during the present year. These samples should, according to the Act, be sent in before the end of the month of January in each year, but it was not until about the middle of March, 1905, that the last of them were received. The following is a statement of the number of such standard samples which have been submitted to this Branch during the past nine years :—

In 1897 there were analysed 107 samples.

1898	"	124	"
1898	"	154	"
1900	"	107	"
1901	"	102	"
1902	"	106	"
1903	"	128	"
1904	"	111	"
1905	"	120	"

The tabulated statement appended to this report gives the designations of the various brands of fertilizers, the names of the manufacturers or importers, the claims made as regards their fertilizing constituents, and the actual percentage of these found in the standard samples on analysis in this laboratory. The guaranteed contents must be understood to indicate only the lowest percentages claimed on the manufacturer's label or given in his correspondence with the Department.

As required by the Fertilizers Act, the tabulated statement contains also a column in which the relative value per 2,000 lbs. of each fertilizer is given, calculated from their contents in fertilizing ingredients, the values of these being taken as follows :—

	Cents per lb.
Nitrogen in salts of ammonia or in nitrates, as well as in compound fertilizers.....	17
Organic nitrogen in ground bone, fish, blood or tankage. ....	16
Phosphoric acid :—	
Soluble in water.....	6
Soluble in 1 p.c. citric acid.....	5½
Insoluble in Thomas phosphate powder.....	3½
Insoluble in ground rock, phosphate, and fertilizers generally.....	1½
Potash in high grade salts.....	5



5-6 EDWARD VII., A. 1906

These rates have this year been modified in order to bring them to correspond more closely with the present commercial prices of the materials used in the manufacture of fertilizers. The valuation of each brand is calculated on the results of the analysis of the standard samples, but it has been omitted in the case of the guaranteed contents on account of the imperfect character of the information supplied in the majority of instances.

I beg to recommend the immediate publication of this report, and in advance of the one to be issued regarding 'Fertilizers as sold.'

I have the honour to be, sir,  
Your obedient servant,

THOMAS MACFARLANE,  
*Chief Analyst.*



TABULAR RESULTS

OF

COMMERCIAL FERTILIZERS



TABULATED STATEMENT of the Results of Analysis of 120 Standard

Number of Sample.	Designation.	Name of Manufacturer or Importer	By whom sent.	From what Materials produced.	-----
1603	Fertilizer No. 1—Exhibit 'A.'	The Wm. Davies Co., Ltd., Toronto.	Manufacturers..	Dried blood, bone and tankage.	Guaranteed contents Standard sample....
1604	Concentrated Fertilizer No. 2—Exhibit 'C.'	" ..	" ..	Tank water evaporated and dried.	Guaranteed contents Standard sample....
1605	No. 1 Brand, Superphosphate.	Nichols Chemical Co. of Canada, Ltd.	" ..	Canadian phosphate rock, sulphuric acid, muriate of potash and sulphate of ammonia.	Guaranteed contents Standard sample....
1606	Reliance Fertilizer...	" ..	" ..	" ..	Guaranteed contents Standard sample....
1607	Royal Canadian Fertilizer.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1608	Victor Fertilizer....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1609	Crown Fertilizer....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1610	Super phosphate, Capelton Brand.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1611	Fertilizer Exhibit 'A'	Harris Abbatoir Co., Ltd., Toronto.	" ..	Dried blood, bone and tankage.	Guaranteed contents Standard sample....
1612	Fertilizer.....	Laing Packing and Provision Co., Ltd., Montreal.	" ..	Packing house tankage made from blood, bones, hair and offal of cattle and hogs.	Guaranteed contents Standard sample....
1613	Essex Complete Manure for corn, grain and grass.	Russia Cement Co. S.	C. Shaffner, Granville Ferry, N.S.	Nitrate of soda, high grade dry western blood, ground fish meal, ground fish bone, high grade sulphate of potash, high grade muriate of potash, double superphosphate and acid phosphate.	Guaranteed contents Standard sample....
1614	Essex Complete Manure for potatoes, roots and vegetables.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1615	Essex 'A 1' Superphosphate.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1616	Essex XXX Fish and Potash.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1617	Essex Orchard Fertilizer.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1618	Essex Bone Meal....	" ..	" ..	" ..	Guaranteed contents Standard sample....



## SESSIONAL PAPER No. 14

Samples of Commercial Fertilizers, registered for 1905.

RESULTS OF ANALYSIS.										Relative Value per Ton of 2,000 lbs	Name of Analyst and Number of Sample.
Nitrogen.		Phosphoric Acid.					Pot-ash.	Moist-ure.			
Total in-cluding Nitric Acid and Am-monia.	Total Calcu-lated as Am-monia.	Soluble in Water.	Citric Soluble.	Insol-uble.	Total.	Total Avail-able.					
p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	s. cts.		
6.33	7.87				14.00			7.90		1603	
6.02	7.31		15.35	2.87	18.22	15.35		6.72	37.00	Miss E. Davidson.	
12.65	15.35							7.10		1604	
11.62	14.11		2.72	0.47	3.19	2.72	1.37	8.76	41.66	"	
						11.50				1605	
		9.75	2.72	5.43	17.90	12.47		11.08	16.32	"	
	2.00					6.00	2.00			1606	
2.31	2.81	4.31	2.09	5.11	11.51	6.40	4.36	12.00	21.21	"	
	4.00					9.00	5.00			1607	
4.55	5.52	8.63	1.77	3.67	14.07	10.40	6.34	6.52	28.83	"	
	2.00					7.00	3.00			1608	
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	"	
	2.00					11.00	2.50			1609	
2.70	3.28	10.87	1.12	5.43	17.42	11.19	4.09	7.44	29.16	"	
						8.00				1610	
1.19	1.45	5.91	0.39	6.23	12.53	6.30		12.32	13.44		
10.30	12.50				5.04			6.08		1611	
10.01	12.16		5.92	0.95	6.87	5.92	1.02	4.96	39.85		
7.30	8.86				9.44			10.48		1612	
6.16	7.38		11.20	1.59	12.79	11.20		9.16	32.51		
3.00	4.00	3.00	4.00	2.50	9.50		9.50			1613	
3.22	3.91	4.35	4.48	2.87	11.70	8.83	9.36	9.68	31.16	A. Lemoine.	
3.70	4.50	3.00	4.00	2.00	9.00		8.50			1614	
3.50	4.25	2.75	6.40	4.47	13.62	9.15	7.68	8.76	31.26	"	
	1.25				9.00	7.00	2.00			1615	
1.54	1.87	1.15	5.24	5.63	12.02	6.39	2.12	6.36	16.19	"	
2.10	2.50	4.50	4.50	3.00	12.00		2.25			1616	
2.66	3.23	2.24	7.84	4.63	14.71	10.08	2.31	9.36	24.05	Miss E. Davidson.	
	2.00	4.00	3.00	2.00	9.00		8.50			1617	
1.28	2.21	1.92	10.24	2.23	14.39	12.16	9.05	5.20	29.47	"	
										1618	
3.17	3.85		10.09	9.59	19.68	10.09		11.96	24.12	Miss E. Davidson.	



5-6 EDWARD VII., A. 1906

## TABULATED STATEMENT of the Results of Analysis of 120 Standard

Number of Sample.	Designation.	Name of Manufacturer or Importer.	By whom sent.	From what Materials Produced.	—
1619	Essex Market Garden and Potato Manure.	Russia Cement Co.	S. C. Shaffner, Granville Ferry, N. S.	Nitrate of soda, high grade dry western blood, ground fish meal, ground fish bone, high grade sulphate of potash, high grade muriate of potash, double super-phosphate and acid phosphate.	Guaranteed contents Standard sample....
1620	Essex Dry Ground Fish.	"	"	"	Guaranteed contents Standard sample....
1621	Great Eastern High Grade Potato Manure.	American Agricultural Chemical Co.	Great Eastern Fertilizer Branch, Rutland, Vt.	Bone black, animal bone, phosphatic guano, dried fish, meat or blood, sulphate of ammonia, sulphate or muriate of potash, sulphuric acid.	Guaranteed contents Standard sample....
1622	Great Eastern Northern Corn Special..	"	"	"	Guaranteed contents Standary sample....
1623	Great Eastern Potato Manure.	"	"	"	Guaranteed contents Standard sample....
1624	Great Eastern General Fertilizer.	"	"	"	Guaranteed contents Standard sample....
1625	Great Eastern Grass and Oats Fertilizer	"	"	Bone black, bone phosphate, guano, muriate or sulphate of potash.	Guaranteed contents Standard sample ...
1626	Great Eastern plain Superphosphate.	"	"	"	Guaranteed contents Standard sample....
1627	Fertilizer Exhibit 'B'	The Wm. Davis Co., Limited, Toronto.	Manufacturer	Dried blood, bone and tankage.	Guaranteed contents Standard sample....
1628	Fertilizer.....	Jos. O'Mara, Plantagenet, Ont.	"	Blood, bone and general packing house refuse.	Guaranteed contents Standard sample....
1629	Thomas Phosphate Powder.	Chemical Works, late H. & E. Albert, 15 Philpot Lane, London.	Anglo-Canadian Chemical Co., St. John, N.B.	.....	Guaranteed contents Standard sample....
1630	Freeman's Sure Growth Manure for Grass, Grain and Vegetables.	The W. A. Freeman Co., Ltd., Hamilton.	Manufacturers....	Phosphate, bone, tankage, sulphuric acid, muriate of potash, sulphate of potash, sulphate of ammonia and nitrate of soda.	Guaranteed contents Standard sample
1631	Freeman's Bone and Potash.	"	"	"	Guaranteed contents Standard sample..
1632	Freeman's Celery and Early Vegetable Manure.	"	"	"	Guaranteed contents Standard sample....



SESSIONAL PAPER No. 14

Samples of Commercial Fertilizers, registered for 1905—Continued.

RESULTS OF ANALYSIS.										Name of Analyst and Number of Sample.
Nitrogen.		Phosphoric Acid.					Pot- ash.	Moist- ure.	Relative Value per Ton of 2,000 lbs	
Total in- cluding Nitric Acid. and Am- monia.	Total Calcul- ated as Am- monia.	Soluble in Water.	Citric Soluble.	In- sol- uble.	Total.	Total Avail- able.				
p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	\$ cts.	
2.00	2.40	4.00	4.00	2.00	10.00	10.86	5.00			1619
1.97	2.39	4.16	6.70	3.51	14.37	10.86	5.51	12.44	25 62	Miss E. Davidson.
5.88	7.14	2.08	12.47	4.63	19.18	14.55	0.55	9.20	36 96	1620
	4.00	6.00		1.00			10.00			"
3.15	3.82	5.31	2.87	1.28	9.46	8.18	10.71	10.36	31 33	1621
	2.50	8.00		1.00			1.50			1622
1.83	2.22	7.22	2.06	1.91	11.19	9.28	4.44	17.76	22 16	"
	2.50	8.00		1.00			3.00			1623
2.10	2.55	7.54	2.57	1.59	11.70	10.11	3.80	12.48	23 29	"
	1.00	8.00		1.00			4.00			1624
1.02	1.24	5.11	1.41	3.71	10.23	6.52	3.95	12.36	16 21	"
		11.00		1.00			2.00			1625
Tr.	Tr.	6.71	4.17	2.23	13.11	10.88	3.03	14.36	12 34	"
None.	None.	14.00		1.00						1626
5.96	7.24	10.36	0.52	3.51	14.39	10.88	0.19	16.30	14 24	J. G. A. Valin.
5.74	6.97	0.44	7.75	3.65	11.84	8.19	0.56	6.70		1627
								5.15	29 08	"
7.28	8.84	0.33	6.39	3.32	10.64	6.72	0.35	6.76	32 07	1628
			14.14	3.00	17.00	14.14			17 65	1629
2.94	3.50	5.24	3.21	7.03	8.00	8.45	3.00			1630
	5.57				15.48		2.85	15.60	24 18	"
2.59	2.00	4.48	2.88	6.52	9.00	7.36	6.00			1631
	3.14				13.88		4.98	15.60	24 78	"
	6.00				9.00		6.00			1632
5.04	6.12	5.12	3.04	4.31	12.47	8.16	5.14	13.64	33 04	Miss E. Davidson.



5-6 EDWARD VII., A. 1906

TABULATED STATEMET of the Results of Analysis of 120 Standard

Number of Sample.	Designation.	Name of Manufacturer or Importer.	By whom sent.	From what Materials Produced.	
1633	Freeman's Phosphate Powder.	The W. A. Freeman Co., Ltd., Hamilton.	Manufacturers....	Phosphate, bone, tankage, sulphuric acid, muriate of potash, sulphate of potash, sulphate of ammonia and nitrate of soda.	Guaranteed contents Standard sample....
1634	Freeman's Potato Manure.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1635	Freeman's Tankage Manure.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1636	Freeman's Tobacco Manure.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1637	Freeman's Pure Bone Meal.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1638	Superphosphate of Lime.	Standard Fertilizer and Chemical Co., Ltd., Smith's Falls, Ont.	" ..	Mineral phosphates	Guaranteed contents Standard sample....
1639	Special Fertilizer ...	" ..	" ..	Nitrate of soda, sulphate of ammonia, potash and magnesia salts, mineral superphosphates, bonechar, and fine bone meal.	Guaranteed contents Standard sample....
1640	Standard Fertilizer..	" ..	" ..	" ..	Guaranteed contents Standard sample....
1641	Star Fertilizer.....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1642	No. 1 Fertilizer.....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1643	Royal Fertilizer.....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1644	Nitrate of Soda.....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1645	Superphosphate. ..	Mr. Thomas Reid, Parish of St. Simonds, N.B.	" ..	Bone meal, spent char, fish dealers refuse, phosphate rock, oil, vitriol, sand plaster, kainite, salt and sulphate of ammonia.	Guaranteed contents Standard sample....
1646	Bradley's Superphosphates for Orchards	American Agricultural Chemical Co., Boston.	Boston Sales Dept. Boston.	Bone black, animal bone, phosphatic guanos, sulphate or muriate of potash.	Guaranteed contents Standard sample... .
1647	Bradley's Potato Fertilizer.	" ..	" ..	" .. and dry fish, meat or blood, nitrate of soda, sulphate of ammonia, sulphuric acid.	Guaranteed contents Standard sample....



SESSIONAL PAPER No. 14

Samples of Commercial Fertilizers, registered for 1905—Continued.

RESULTS OF ANALYSIS.										Name of Analyst and Number of Sample.
Nitrogen.		Phosphoric Acid.					Pot- ash.	Mois- ture.	Relative value per Ton of 2,000 lbs	
Total in- cluding Nitric Acid and Am- monia.	Total calculat- ed as Am- monia.	Soluble in Water.	Citric Soluble.	In- sol- uble.	Total.	Total Avail- able.				
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	s cts.	
			13.50	4.79	15.00 18.29	13.50		10.08	16.29	1633 Miss E. Davidson.
	3.00				8.00		5.00			1634
2.80	3.40	6.07	2.73	5.59	14.39	8.80	5.56	14.72	27.04	"
	5.00				12.00					1635
7.11	8.63		13.74	2.72	16.46	13.74		7.20	38.68	"
	6.00				7.00		7.00			1636
4.90	5.95	5.76	2.71	4.80	13.27	8.47	6.40	13.96	27.99	"
	3.00				23.00					1637
4.10	4.98		17.58	5.44	23.02	17.58		5.56	34.09	"
					12.00					1638
		11.38	2.18	4.99	18.55	13.56		7.20	17.55	A. Lemoine.
	3.50	8.00			10.00		6.00			1639
3.29	3.99	7.54	1.93	2.55	12.02	9.47	7.25	12.36	30.37	"
	2.50	9.00			11.00		2.00			1640
2.73	3.31	6.90	2.37	3.39	12.66	9.27	2.10	9.08	23.22	Miss E. Davidson.
	2.00					5.00	2.00			1641
1.96	2.38	3.00	2.12	1.59	6.71	5.12	2.33	2.08	15.40	"
	1.50	9.00			12.00		1.00			1642
1.40	1.70	6.27	2.49	3.39	12.15	8.76	1.83	11.04	17.87	"
	2.00					8.00	3.00			1643
1.26	1.53	4.67	3.45	2.11	10.23	8.12	3.07	5.72	17.39	"
	18.00									1644
14.42	17.50							0.55	49.02	J. G. A. Valin.
										1645
2.88	3.50	3.20	8.96	6.20	18.36	12.16	3.75	20.80	29.10	"
		8.76		1.67	10.43	14.00 8.76		13.20	11.01	1646
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00			1647
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52	



5-6 EDWARD VII., A. 1906

TABULATED STATEMENT of the Results of Analysis of 120 Standard

Number of Sample.	Designation.	Name of Manufacturer or Importer.	By whom sent.	From what Materials Produced.	—
1648	Bradley's X.L. Superphosphate of Lime.	American Agricultural Chemical Co., Boston.	Boston Sales Dept., Boston.	Bone black, animal bone, phosphatic guanos, sulphate or muriate of potash.	Guaranteed contents Standard sample....
1649	Bradley's Farmers' New Method Fertilizer.			" and dry fish, meat or blood, nitrate of soda, sulphate of ammonia, sulphuric acid.	Guaranteed contents Standard sample....
1650	Bradley's Fine Ground Bone.			"	Guaranteed contents Standard sample....
1651	Bradley's Eclipse Phosphate.			"	Guaranteed contents Standard sample....
1652	Bradley's Eureka Fertilizer.			"	Guaranteed contents Standard sample....
1653	Bradley's Alkaline Bone with Potash.			Bone black, bone or phosphate guano, muriate or sulphate of potash.	Guaranteed contents Standard sample....
1654	Bradley's Complete Manure with ten per cent Potash.			" and dry fish, meat or blood, nitrate of soda or sulphate of ammonia and sulphuric acid.	Guaranteed contents Standard sample....
1655	Read's Standard Superphosphate.	"	"	"	Guaranteed contents Standard sample....
1656	Read's Sure Catch Fertilizer.	"	"	Bone black, bone or phosphate guano, muriate of sulphate of potash.	Guaranteed contents Standard sample....
1657	Read's Fish Bone and Potash.	"	"	" and dry fish, meat or blood, nitrate of soda or sulphate of ammonia and sulphuric acid.	Guaranteed contents Standard sample....
1658	Tucker's Imperial Bone Superphosphate.	"	"	"	Guaranteed contents Standard sample...
1659	Williams & Clarke's American Potato Manure.	"	"	"	Guaranteed contents Standard sample....
1660	Pacific Potato Special.	"	"	"	Guaranteed contents Standard sample....
1661	Pacific Nobsque Guano.	"	"	"	Guaranteed contents Standard sample....
1662	Pacific Fine Ground Bone.	"	"	"	Guaranteed contents Standard sample.
1663	Soluble Pacific Guano	"	"	"	Guaranteed contents Standard sample....
1664	Quinnipiac Climax Phosphate for all Crops.	"	"	"	Guaranteed contents Standard sample....



SESSIONAL PAPER No. 14

Samples of Commercial Fertilizers, registered for 1905—Continued.

RESULTS OF ANALYSIS.										Name of Analyst and Number of Sample.
Nitrogen.		Phosphoric Acid.					Pot- ash.	Mois- ture.	Relative value per Ton of 2,000 lbs	
Total in- cluding Nitric Acid and Am- monia.	Total calculat- ed as Am- monia.	Soluble in Water.	Citric Soluble.	In- sol- uble.	Total.	Total Avail- able.				
p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	\$ cts.	
2.06 1.26	2.50 1.53	5.00 7.48	3.00 .....	2.00 4.28	10.00 11.76	8.00 7.48	1.50 2.99	..... 15.40	..... 17 50	1648 J. G. A. Valin.
1.03 1.68	1.25 2.04	6.00 6.84	2.00 0.11	2.00 4.24	10.00 11.19	8.06 6.95	2.00 2.62	..... 14.35	..... 17 93	1649 "
2.47 2.94	3.00 3.57	..... .....	..... 15.62	..... 10.04	22.00 25.66	..... 15.62	..... .....	..... 2.45	..... 29 70	1650 "
1.03 1.44	1.25 1.75	6.00 4.48	2.00 2.44	2.00 3.51	10.00 10.43	8.00 6.92	2.00 2.41	..... 14.10	..... 16 42	1651 "
1.03 1.33	1.25 1.61	6.00 3.84	2.00 3.20	2.00 3.64	10.00 10.68	8.00 7.04	2.00 1.89	..... 13.85	..... 15 63	1652 "
..... 0.28	..... 0.34	6.00 6.07	5.00 4.10	1.00 2.87	12.00 13.04	11.00 10.17	2.00 2.24	..... 13.77	..... 15 84	1653 "
3.30 2.91	4.00 3.54	4.00 5.11	2.00 2.24	1.00 1.60	7.00 8.95	6.00 7.35	10.00 11.78	..... 11.50	..... 30 75	1654 "
0.82 1.12	1.00 1.36	5.00 4.93	3.00 2.82	2.00 2.68	10.00 10.43	8.00 7.75	4.00 3.77	..... 9.65	..... 17 40	1655 "
..... 1.82	..... 2.21	..... 6.71	..... 2.38	..... 4.47	12.00 13.56	10.00 9.09	2.00 2.00	..... 13.48	..... 20 29	1656 "
2.00 1.96	2.40 2.38	..... 7.22	..... 1.29	..... 3.83	..... 12.34	4.00 8.51	4.00 4.75	..... 12.72	..... 22 65	1657 "
1.03 1.54	1.25 1.87	6.00 5.43	2.00 1.29	2.00 4.47	10.00 11.19	8.00 6.72	2.00 2.02	..... 14.16	..... 16 53	1658 "
2.06 2.10	2.50 2.55	5.00 7.03	3.00 1.92	2.00 4.03	10.09 12.98	8.00 8.95	3.00 2.02	..... 13.56	..... 20 92	1659 "
2.06 2.10	2.50 2.55	5.00 7.35	3.00 0.84	2.00 4.47	10.00 12.66	8.00 8.19	3.00 3.12	..... 13.68	..... 21 34	1660 "
1.03 1.54	1.25 1.87	6.00 4.79	2.00 3.21	2.00 3.19	10.00 11.19	8.00 8.00	2.00 1.91	..... 14.04	..... 17 38	1661 "
2.47 2.88	3.00 3.50	..... .....	..... 13.12	..... 15.66	22.00 28.78	..... 13.12	..... .....	..... 4.88	..... 28 35	1662 "
2.06 1.76	2.50 2.14	5.00 6.87	3.00 2.41	2.00 2.55	10.00 11.83	8.00 9.28	1.50 2.45	..... 15.40	..... 20 10	1663 Miss E. Davidson.
1.03 1.47	1.25 1.79	6.00 3.84	2.00 4.63	2.00 3.84	10.00 12.31	8.00 8.47	2.00 2.62	..... 14.08	..... 18 47	1664 "



5-6 EDWARD VII., A. 1906

TABULATED STATEMENT of the Results of Analysis of 120 Standard

No. of Sample.	Designation.	Name of Manufacturer or Importer.	By whom sent.	From what Materials Produced.	
1665	Cumberland Super-phosphate.	American Agricultural Chemical Co., Boston.	Boston Sales Dept., Boston.	Bone black, bone or phosphate guano, nitrate or sulphate of potash.	Guaranteed contents Standard sample....
1666	Cumberland Potato Fertilizer.	" " "	" " "	" and dry fish, meat or blood, nitrate of soda or sulphate of ammonia and sulphuric acid.	Guaranteed contents Standard sample ...
1667	Cumberland Fine Ground Bone.	" " "	" " "	" " "	Guaranteed contents Standard sample....
1668	Cumberland Grass and Grain Fertilizer.	" " "	" " "	" " "	Guaranteed contents Standard sample....
1669	Read's Practical Potato Special.	" " "	" " "	" " "	Guaranteed contents Standard sample....
1670	Concentrated Soluble Horticultural Manure, Brand AG.	Chemical Works, late H. & E. Albert, Biebrich on Rhine.	The Anglo Canadian Chem. Co., St. John, N.B..	.....	Guaranteed contents Standard sample....
1671	New England Potato Fertilizer.	New England Fertilizer Co., Boston, Mass.	Manufactures ....	Blood, meat, bone black, bone phosphate, nitrate of soda or sulphate of ammonia, sulphate or muriate of potash.	Guaranteed contents Standard sample....
1672	New England Corn Phosphate.	" " "	" " "	.....	Guaranteed contents Standard sample....
1673	New England Corn and Grain.	" " "	" " "	" " "	Guaranteed contents Standard sample....
1674	Swift's Lowell Bone Fertilizer.	Swift's Lowell Fertilizer Co., Boston.	" " "	Blood, meat, bone, bone black, bone phosphate, nitrate of soda or sulphate of ammonia and sulphate or muriate of potash.	Guaranteed contents Standard sample....
1675	Swift's Lowell Potato Manure.	" " "	" " "	" " "	Guaranteed contents Standard sample ...
1676	Swift's Lowell Potato Phosphate.	" " "	" " "	" " "	Guaranteed contents Standard sample....
1677	Swift's Lowell Animal Brand.	" " "	" " "	" " "	Guaranteed contents Standard sample....
1678	Swifts Lowell Ground Bone.	" " "	" " "	" " "	Guaranteed contents Standard sample....
1679	Bradley's New Method Fertilizer..	American Agricultural Chemical Co., Boston,	Buffalo Sales Dept., Buffalo.	Animal matter (blood, bone and tankage) mineral phosphate and potash, all treated with sulphuric acid.	Guaranteed contents Standard sample....



## SESSIONAL PAPER No. 14

Samples of Commercial Fertilizers, registered for 1905—*Continued.*

RESULTS OF ANALYSIS.										Relative value per Ton of 2,000 lbs	Name of Analyst and Number of Sample.
Nitrogen.		Phosphoric Acid.					Pot- ash.	Mois- ture.			
Total in- cluding Nitric Acid and Am- monia.	Total calculat- ed as Am- monia.	Soluble in Water.	Citric Soluble.	In- sol- uble.	Total.	Total Avail- able.					
p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	\$ cts.		
2.06 1.82	2.50 2.21	5.00 7.03	3.00 2.89	2.00 2.07	10.00 11.99	8.00 9.92	1.50 2.37	..... 15.04	..... 20 81	1665 Miss E. Davidson.	
2.06 1.78	2.50 2.16	5.00 6.55	3.00 1.77	2.00 3.83	10.00 12.15	8.00 8.32	3.00 3.93	..... 13.48	..... 20 94	1666 "	
2.47 2.81 1.03 1.47	3.00 3.41 1.25 1.78	..... ..... 6.00 3.96	..... 22.54 2.00 2.95	..... 5.28 2.00 3.32	22.00 27.82 10.00 10.23	..... 22.54 8.00 6.91	..... ..... 2.00 1.56	..... 4.48 ..... 14 15	..... 35 37 ..... 15 55	1667 " 1668 J. G. A. Valin.	
0.82 0.70 12.04 10.78	1.00 0.85 ..... 13.09	2.00 3.52 11.83 13.88	2.00 2.69 ..... .....	1.00 2.55 ..... 0.32	5.00 8.76 ..... 14.20	4.00 6.21 ..... 13.88	8.00 7.14 19.85 16.16	..... 12.90 ..... 1.90	..... 17 47 ..... 67 41	1669 " 1670 "	
..... 2.03	2.00 2.46	..... 4.79	..... 2.70	..... 1.91	8.00 9.40	7.00 7.49	4.00 3.78	..... 14.00	..... 19 97	1671 "	
..... 1.40	2.00 1.70 1.50 1.61 ..... 1.98	..... 7.80 ..... 6.52 ..... 7.03	..... 0.84 ..... 0.64 ..... 1.41	..... 1.59 ..... 2.11 ..... 2.43	9.00 10.23 8.00 9.27 9.00 10.87	8.00 8.64 7.00 7.16 8.00 8.44	3.00 3.49 2.00 2.85 3.00 3.82	..... 11.40 ..... 7.95 ..... 13.24	..... 19 01 ..... 17 48 ..... 20 87	1672 " 1673 " 1674 A. Lemoine.	
..... 1.98	2.00 2.41 3.00 3.26 3.00 3.72 3.00 3.28	..... 5.95 ..... 6.27 ..... 6.39 ..... .....	..... 1.38 ..... 2.37 ..... 2.83 ..... 17.73	..... 2.55 ..... 2.23 ..... 2.48 ..... 8.50	8.00 9.78 9.00 10.87 10.00 11.70 25.00 26.23	7.00 7.23 8.00 8.64 9.00 9.22 ..... 17.73	4.00 4.34 6.00 6.68 4.00 5.15 ..... Tr.	..... 10.76 ..... 10.88 ..... 10.64 ..... 3.84	..... 20 89 ..... 26 59 ..... 24 99 ..... 30 69	1675 " 1676 " 1677 " 1678 "	
0.82 1.05	1.00 1.27	6.00 6.59	2.00 1.40	1.00 4.03	9.00 12.02	8.00 7.99	2.00 2.35	..... 13.44	..... 16 57	1679 J. G. A. Valin.	



5-6 EDWARD VII., A. 1906

## TABULATED STATEMENT of the Results of Analysis of 120 Standard

Number of Sample.	Designation.	Name of Manufacturer or Importer.	By whom sent.	From what Materials Produced.	
1680	Bradley's Complete Manure for Potatoes and Vegetables.	American Agricultural Chemical Co., Boston.	Buffalo Sales Dept., Buffalo.	Animal matter (blood, bone and tankage) mineral phosphate and potash, all treated with sulphuric acid.	Guaranteed contents Standard sample....
1681	Special Potato Mixture.	"	"	"	Guaranteed contents Standard sample....
1682	High Grade Potash Compound.	"	"	"	Guaranteed contents Standard sample....
1683	Crocker's New York Special.	"	"	"	Guaranteed contents Standard sample....
1684	Crocker's Wheat and Corn Fertilizer.	"	"	"	Guaranteed contents Standard sample....
1685	Crocker's Cabbage and Potato Manure	"	"	"	Guaranteed contents Standard sample....
1686	Bradley's B. D. Sea Fowl Guano.	"	"	"	Guaranteed contents Standard sample....
1687	Potato Phosphate...	Provincial Chemical Fertilizer Co., St. John, N.B.	Manufacturers....	Meat, tankage, bone, char, fish scrap, sulphate of potash and sulphate of ammonia	Guaranteed contents Standard sample....
1688	Imperial Superphosphate.	"	"	"	Guaranteed contents Standard sample....
1689	Victor Guano. ....	"	"	"	Guaranteed contents Standard sample....
1690	Bone Meal.....	"	"	"	Guaranteed contents Standard sample....
1691	Blood, Bone and Potash.	"	"	"	Guaranteed contents Standard sample ...
1692	Potato Phosphate...	Nova Scotia Fertilizer Co., Halifax, N.S.	"	Bone, char, bone, dried blood, tankage, meat, fish, bone phosphates, sulphate of ammonia, nitrate of soda, high grade muriate of potash or sulphate of potash and sulphuric acid.	Guaranteed contents Standard sample....
1693	Ceres Superphosphate.	"	"	"	Guaranteed contents Standard sample...
1694	Bone Meal....	"	"	"	Guaranteed contents Standard sample....
1695	Fruit Tree Fertilizer.	"	"	"	Guaranteed contents Standard sample....
1696	Southern Guano ....	"	"	"	Guaranteed contents Standard sample....
1697	Brand 'H' Fertilizer	Messrs. W. Harris & Co., Toronto.	"	"	Guaranteed contents Standard sample....
1698	Bone Meal.....	"	"	"	Guaranteed contents Standard sample....



## SESSIONAL PAPER No. 14

Samples of Commercial Fertilizers, registered for 1905—*Continued.*

RESULTS OF ANALYSIS.										Name of Analyst and Number of Sample.
Nitrogen.		Phosphoric Acid.					Pot- ash.	Mois- ture.	Relative value per Ton of 2,000 lbs	
Total in- cluding Nitric Acid and Am- monia.	Total calculat- ed as Am- monia.	Soluble in Water.	Citric Acid.	In- sol- uble.	Total.	Total Avail- able.				
p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	\$ cts.	
3.29 3.44	4.00 4.18	6.00 7.03	2.00 0.65	1.00 2.55	9.00 10.23	8.00 7.68	7.00 8.08	..... 13.12	..... 29 67	1680 Miss E. Davidson.
0.82 0.84 1.65 1.61	1.00 1.02 2.00 1.96	7.00 7.51 6.00 8.15 8.00	2.00 1.45 2.00 1.13 2.00	1.00 3.19 1.00 2.39 1.00	10.00 12.15 9.00 11.67 11.00	9.00 8.96 8.00 9.28 10.00	7.00 8.40 10.00 9.86 8.00	..... 11.88 ..... 9.52 .....	..... 22 91 ..... 26 73 .....	1681 ..... 1682 ..... 1683
Tr. 2.06 2.07 2.47 2.17 2.06 2.17	Tr. 2.50 2.52 3.00 2.64 2.50 2.63	6.88 6.00 6.87 6.00 6.00 6.27	3.36 2.00 2.57 2.00 2.00 3.13	3.35 1.00 3.51 1.00 1.00 3.71	13.59 9.00 12.95 9.00 9.00 13.11	10.24 8.00 9.44 8.00 8.00 9.40	7.23 1.50 2.54 6.00 6.87 1.95	10.56 ..... 11.60 ..... 9.64 10.24	20 18 ..... 21 70 ..... 26 55 ..... 21 41	1684 ..... 1685 ..... 1686 A. Lemoine. 1687
2.24	2.72	7.99	1.61	5.11	14.71	9.60	8.14	7.44	28 64	"
2.66	3.00 3.23 2.00	8.18	1.61	5.43	15.22	10.50 9.79 7.00	1.50 1.77 2.50	..... 6.36 .....	..... 24 03 .....	1688 ..... 1689
1.68	2.00 3.10 4.16	8.31	2.25	5.43	15.99 24.14 23.22	10.56	3.53	8.76	23 32	1690
3.43	2.00 2.21	7.99	1.61	4.79	14.39	7.00 9.60	4.00 4.88	..... 8.44	..... 23 86	1691
1.82	3.00 3.15	7.03	1.45	0.95	10.00 9.43	..... 8.48	6.00 5.64	..... 11.88	..... 24 76	1692 Miss E. Davidson.
2.10	2.00 2.55	8.95	0.65	1.43	11.00 11.03	..... 9.60	2.00 4.53	..... 13.28	..... 23 45	1693
3.27	3.00 3.97	0.00	13.71	8.15	21.86	13.71	.....	7.84	27 99	1694
2.53	3.00 3.06	6.55	1.44	1.12	8.00 9.11	..... 7.99	6.00 6.38	..... 11.48	..... 24 76	1695
2.24	2.00 2.72	7.99	1.77	1.11	7.00 10.87	..... 9.76	3.00 4.86	..... 12.00	..... 24 34	1696
7.98	9.69	1.47	5.88	1.28	8.63	7.35	1.06	11.56	36 81	1697 A. Lemoine.
4.06	4.93	.....	12.61	7.54	20.15	12.61	Trace.	7.40	29 12	1698



5-6 EDWARD VII., A. 1906

TABULATED STATEMENT of the Results of Analysis of 120 Standard

Number of Sample.	Designation.	Name of Manufacturer or Importer.	By whom sent.	From what Materials Produced.	—
1699	Muriate of Potash ..	Victoria Chemical Co., Ltd., Victoria, B.C.	Imported from Germany.	Bonechar, bone, dried blood, tankage, meat, fish, bone phosphates, sulphate of ammonia, nitrate of soda, high grade muriate of potash or sulphate of potash and sulphuric acid.	Guaranteed contents Standard sample....
1700	Kainite. ....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1701	Sulphate of Potash..	" ..	" ..	" ..	Guaranteed contents Standard sample....
1702	Thomas' Phosphate Powder.	" ..	" ..	" ..	Guaranteed contents Standard sample....
1703	Nitrate of Soda. ....	" ..	Imported from Chili.	" ..	Guaranteed contents Standard sample....
1704	Superphosphate of Lime.	" ..	" ..	Made by treating spent bonechar with sulphuric acid	Guaranteed contents Standard sample....
1705	Fertilizer 'A' ....	" ..	" ..	This is made by mixing nitrate of soda, muriate of potash and superphosphate of lime	Guaranteed contents Standard sample....
1706	Fertilizer 'B'. ....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1707	Fertilizer 'C'. ....	" ..	" ..	A mixture of muriate of potash and superphosphate of lime.	Guaranteed contents Standard sample....
1708	Eureka Phosphate ..	Pidgeon Fertilizer Co., Windsor, N.S.	Manufacturer ..	Ground bone, acid phosphate, nitrate of soda, meat and muriate of potash.	Guaranteed contents Standard sample....
1709	Intense Brand ....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1710	Potato Manure.....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1711	Ground Bone ....	" ..	" ..	" ..	Guaranteed contents Standard sample....
1712	Orchard Fertilizer ..	" ..	" ..	" ..	Guaranteed contents Standard sample....
1713	Thomas' Phosphate Flour.	Campbell Arnott & Co., 114 Victoria St., Toronto.	Mr. Geo.C. Arnott, Toronto.	.....	Guaranteed contents Standard sample....
1714	Concentrated Soluble Manure.	" ..	" ..	.....	Guaranteed contents Standard sample....
1715	Homestead 'A' Bone Black Fertilizer.	Michigan Carbon Works, Detroit.	Manufacturer. ....	.....	Guaranteed contents Standard sample....



SESSIONAL PAPER No. 14

Samples of Commercial Fertilizers, registered for 1905.—Continued.

RESULTS OF ANALYSIS.										Relative value per Ton of 2,000 lbs	Name of Analyst and Number of Sample.
Nitrogen.		Phosphoric Acid.					Pot- ash.	Mois- ture.			
Total in- cluding Nitric Acid and Am- monia.	Total Calcul- ated as Am- monia.	Soluble in Water	Citric Soluble.	In- sol- uble.	Total.	Total Avail- able.					
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	\$ cts.		
							50·00			1699	
							49·36	4·20	49 36	A. Lemoine.	
							12·00			1700	
							12·16	6·56	12 16	"	
							50·00			1701	
							42·19	1·44	42 19	Miss E. Davidson.	
					16·00					1702	
			15·99	4·15	20·14	15·99		0·05	20 49	"	
16·00										1703	
12·57	15·26							0·96	42 74	"	
					16·00					1704	
		10·87	3·37	1·43	15·67	14·24		13·80	17 18	"	
4·00					10·00		7·00			1705	
3·15	3·83	7·20	2·08	0·79	10·07	9·28	10·03	14·28	31 91	"	
3·50					9·00		11·00			1706	
2·87	3·49	8·00	1·59	0·64	10·23	9·59	11·81	10·28	33 11	"	
					12·50		11·00			1707	
0·35	0·42	12·66	0·13	2·43	15·22	12·79	11·97	11·04	29 22	A. Lemoine.	
	2·50					8·00	2·00			1708	
2·24	2·72	6·07	2·56	4·03	12·66	8·63	2·53	14·64	21 45	"	
	3·50				7·00		4·50			1709	
2·45	2·97	7·03	0·65	2·55	10·23	7·68	5·23	13·76	23 47	"	
	3·70					8·00	4·70			1710	
2·38	2·89	7·35	1·92	2·75	12·02	9·27	4·77	13·04	24 62	"	
	3·00				20·00					1711	
3·15	3·82		10·88	11·83	22·71	10·88	1·15	5·96	29·09	"	
					6·00		11·00			1712	
Traces.	Traces.	5·12	2·72	0·63	8·47	7·84	11·41	12·64	20 73	Miss E. Davidson.	
					18·00					1713	
			19·03	4·47	23·50	19·03			24 06	"	
	13·25					12·50	18·00			1714	
11·82	14·35	12·79	1·12	0·48	14·39	13·91	17·76	3·48	74 67	"	
2·06	2·50				9·00	8·00	1·50			1715	
2·18	2·65	8·15	0·81	1·59	10·55	8·96	1·81	19·28	20 37	"	



5-6 EDWARD VII., A. 1906

## TABULATED STATEMENT of the Results of Analysis of 120 Standard

Number of Sample.	Designation.	Name of Manufacturer or Importer.	By whom sent.	From what Materials Produced.	
					—
1716	Homestead Potato and Tobacco Fertilizer.	Michigan Carbon Works, Detroit.	Manufacturer.		Guaranteed contents Standard sample....
1717	Desiccated Bone...	"	"		Guaranteed contents Standard sample....
1718	Homestead High Grade Garden and Vegetable Fertilizer.	"	"		Guaranteed contents Standard sample....
1719	Gregory's Special Tobacco Guano.	"	"		Guaranteed contents Standard sample....
1720	Ground Bone. ....	Pidgeon Fertilizer Co., Ltd., Windsor, N.S.	"		Standard sample....
1721	Peruvian Guano ....		Rufus R. Gage, Hamilton, Ont..		Guaranteed contents Standard sample....
1722	"Victor Ferland Fertilizer."		Mathias O. Ferland, P.Q. Berthier,		Guaranteed contents Standard sample....



SESSIONAL PAPER No. 14

Samples of Commercial Fertilizers, registered for 1905—*Concluded.*

RESULTS OF ANALYSIS.										
Nitrogen.		Phosphoric Acid.					Pot-ash.	Mois- ture.	Relative value per Ton of 2,000 lbs	Name of Analyst and Number of Sample.
Total in- cluding Nitric Acid and Am- monia.	Total Calcul- ated as Am- monia.	Soluble in Water.	Citric Soluble.	In- sol- uble.	Total.	Total Avail- able.				
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	\$ cts.	
2.06	2.50				9.00	8.00	3.00			1716
2.13	2.58	8.95	0.65	1.59	11.19	9.60	3.30	17.64	22 47	Miss E. Davidson.
	1.50				25.00					1717
1.96	2.38		19.66	12.79	32.45	19.66		3.60	31 74	"
2.00	2.50					8.00	6.00			1718
3.24	3.93	7.99	0.17	0.79	8.95	8.16	6.92	15.56	27 95	"
	3.00					8.00	4.00			1719
2.66	3.23	7.20	0.64	0.95	8.79	7.84	4.03	18.00	22 70	"
2.80	3.40		25.14	3.32	28.46	25.14		18.80	37 56	1720
										J. G. A. Valin.
	3.00				18.00		3.00			1721
2.80	3.40	5.56	4.01	11.86	21.43	9.57	3.07	10.95	27 23	"
	3.00				5.00		9.00			1722
3.44	4.38	2.55	3.21	6.07	11.83	5.76	3.22	9.50	23 32	"



## APPENDIX F.

## BULLETIN No 102—MAPLE SYRUP AND SUGAR.

OTTAWA, June 6, 1905.

W. J. GERALD, Esq.,  
Deputy Minister of Inland Revenue.

SIR,—On the 1st February last, I received instructions to cause samples of maple syrups and sugars to be obtained and analysed. Subsequently it was decided that two collections of these should be made : one previous to the maple sugar season in the spring of this year, and another after the produce of that season had been placed on the market. The particulars regarding the origin of these samples and the result of their examination are given in the accompanying tables I to IV. The details of the analyses are not given, and it is considered sufficient to state that the methods followed were in the main those which have been recommended by Mr. C. H. Jones in the 17th Annual Report of the Vermont Agricultural Experiment Station, 1903-4.

The samples on examination yielded results which cause them to be classified as follows :—

Collection.	Table.	Genuine.	Doubtful.	Adulterated.	Total.
First	I.—Syrups. . . . .	17	4	76	97
do	II.—Sugars. . . . .	12	2	8	22
Second	III.—Syrups. . . . .	44	2	29	75
do	IV.—Sugars. . . . .	15	0	3	18
		<hr/> 88	<hr/> 8	<hr/> 116	<hr/> 212

From these figures it follows that in the first collection only 24·3 per cent of the samples were found to be genuine, whereas in the second collection there was a great improvement 63·4 per cent being found to be genuine.

I beg to recommend the publication of this report.

I have the honour to be, sir,

Your obedient servant,

THOMAS MACFARLANE,

*Chief Analyst.*



SAMPLES

OF

MAPLE SYRUP AND SUGAR



TABLE I—FIRST COLLECTION OF MAPLE SYRUP.

Date of Collection.	Nature of Sample or Name of Brand.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by Vendor.	Name of Analyst.	Remarks by the Analyst.
1905.							
<i>District of Nova Scotia—R. J. Waugh, Food Inspector.</i>							
Mar.	8 Imperial Brand.....	20281	DeWolfe & Lamont, Kentville, N.S.	2 cans, 70c.	Imperial Syrup Co., Montreal.	M. Bowman....	Adulterated with foreign sugar.
"	9 ".....	20283	Murphy & Demont, Windsor, N.S.	3 " 54c.	" "	" .....	"
"	9 Diamond Brand.....	20284	J. L. Vaughan & Son, Windsor, N.S.	1 can, 30c.	Sugars, Ltd., Montreal.	" .....	"
"	10 Empress Brand. . . . .	20286	Bauld Bros., wholesale dealers, Halifax.	1 " 30c.	Canadian Maple Sugar Co., Toronto.	" .....	"
"	10 Golden Tree Brand. . . . .	20287	John Tobin & Co., wholesale dealers, Halifax.	3 bottles, 30c.	New England Maple Sugar Co., Boston.	" .....	"
<i>District of Prince Edward Island—T. Moore, Food Inspector.</i>							
Mar.	6 Maple Syrup.....	24422	Beer & Goff, Charlottetown, P.E.I.	3 tins, 48c.	Edwardsburg Starch Co., Montreal.	M. Bowman ....	Adulterated with glucose syrup.
"	6 ".....	24423	Stewart & Son.....	3 " 45c.	Montreal Maple Co., Montreal.	" .....	Adulterated with foreign sugar.
<i>District of New Brunswick J. C. Ferguson, Food Inspector.</i>							
Mar.	2 Thistle Brand.....	23882	Bowman & Cole, Water Street, St. John.	3 qts., 75c.	Imperial Syrup Co., Montreal.	M. Bowman ....	Adulterated with foreign sugar.
"	2 Semper Idem Brand.....	23883	W. W. Moore, Stall A., City Market, St. John.	3 " 75c.	Win. Koch, Montreal, Que.	" .....	"
"	3 Imperial Brand.....	23884	R. Catherwood, Fairville, N.B.	3 pints, 45c.	Hall & Fairweather, Ward street, St. John, N.B.	" .....	"
"	6 Golden Tree Brand. ....	23885	Northrup & Co., South Wharf, St. John, N.B.	3 bottles, 60c.	New England Maple Sugar Co., Boston.	" .....	"
"	9 Maple Honey Brand. . . . .	23890	W. A. Estabrook, York Frederickton.	3 qts., 75c.	D. A. Niles, Upper Kingsclear, York Co., N.B.	" .....	Unadulterated.



District of Quebec—Geo. Mulrooney, Food Inspector.

Feb.	28	Maple Syrup marked as a mixture.	26002	G. & C. Hossack, Quebec.	3 bottles	20c.	Sugars, Ltd., Montreal.	Dr. J. T. Donald	Adulterated with foreign sugar. Genuine.
Mar.	3	Maple Syrup.	26004	W. Gagnon, Quebec.	1 qt.	30c.	A farmer.	"	"
"	3	"	26005	J. B. Côté	1 "	25c.	"	"	"
"	3	A mixture.	26006	J. A. Moisan	1 tin,	30c.	Imperial Sugar Co., Ltd., Montreal.	"	Adulterated with foreign sugar. Genuine.
"	4	"	26007	C. O. Simard	1 qt.	30c.	A farmer.	"	"

District of St. Hyacinthe—J. C. Rouleau, Food Inspector.

Feb.	28	Maple Syrup	24651	A. Gouin, Victoriaville, Que.	2½ pts.	32c.	Unknown	Dr. J. T. Donald	Genuine.
"	28	"	24652	May & Houlahaw, Sherbrooke.	2 bottles,	60c.	T. A. Butler, Sherbrooke.	"	"
"	28	"	24653	"	2 "	60c.	Mark Labby, Milby	"	"
"	28	"	24654	D. W. Stenson	1 gall.	\$1	Leroy Moulton, Hatley.	"	"
Mar.	4	"	24655	G. A. Truax, Farnham.	3 qts.	85c.	Hayes & Marchessault, West Shefford.	"	"
"	4	"	24656	F. H. Giroux	3 "	80c.	Does not remember	"	"
"	4	"	24658	Jos. Veronneau, Valcourt	3 bottles,	35c.	Vendor.	"	"
"	4	"	24660	Geo. Mahen, St. Pie.	3 "	35c.	"	"	"
"	4	"	24661	Amable Jacques, La Présentation, Que.	2 "	50c.	Michel Leduc, La Présentation.	"	Adulterated with foreign sugar. Genuine.
"	4	"	24663	Fr. Menieur, St. Michel de Rougemont.	1 qt.	25c.	Albert Lapierre, St. Michel de Rougemont.	"	"

District of Montreal—J. J. Costigan, Food Inspector.

Feb.	27	Maple Syrup	25386	Joseph Nantel, St. Paul street, Montreal.	3 tins,	60c.	"	Dr. J. T. Donald	Adulterated, containing foreign sugar largely.
"	28	"	25387	A. E. Savageau, 1421 St. Catherine street.	3 "	50c.	G. Perreault, Montreal	"	Adulterated, containing foreign sugar largely.
"	28	Beaver Brand.	25388	T. Bergeron, 1522 St. Catherine street.	2 bottles,	40c.	Montreal Maple Co.	"	Adulterated, containing foreign sugar largely.
"	28	Maple Syrup.	25389	N. Lafortune, Bonsecours Market.	1 qt.	25c.	Not known.	"	Adulterated, containing foreign sugar largely.



TABLE I.—FIRST COLLECTION OF MAPLE SYRUP—Continued.

Date of Collection.	Nature of Sample or Name of Brand.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by Vendor.	Name of Analyst.	Remarks by the Analyst.
1905.							
<i>District of Montreal—J. J. Costigan, Food Inspector—Concluded.</i>							
Feb. 28	Dewdrop Brand. ....	25390	W. H. Scroggie, Ltd., St. Cath. 3 tins, 30c. erine street.		Canada Maple Exchange.....	Dr. J. T. Donald	Doubtful.
Mar. 15	Maple Syrup .....	25392	G. A. Emard, 151 St. Antoine 3 bottles, 60c. street.		J. A. Perreault, Montreal.....	"	Adulterated with foreign sugar.
" 16	Loretto Brand.....	25393	J. Morrison, 2520 St. Catherine 3 " 90c. street.		Grocers Trading and Mfg. Co., Montreal.	"	"
" 16	The word compound appears on these tins, but in such a way as would not be easily seen by the ordinary purchaser.	25394	Raby et Frère ..... 3 tins, 75c.		"	"	"
" 16	"	25395	G. W. Barsalo, 1067 St. James 3 " 60c. street.		A. A. Lapierre, Montreal . . .	"	"
" 16	Semper Idem Brand .	25396	Thos. Elliott, 237 Bleury street 3 " 75c.		Wm. Koch, Montreal . . . . .	"	"
" 29	Thistle Brand.....	25398	Imperial Syrup Co., Grey Nuns 3 " 25c. street.		"	"	"
" 24	Compound in small print on the label.	26528	Canada Preserving Co., Hamilt- 3 " 60c. ton.		Muskoka Maple Syrup Co. . .	"	Adulterated with glucose
" 28	Maple Syrup.....	26529	Canada Maple Exchange, King 3 " 60c. street, Montreal.		Vendor.....	"	Genuine.
" 28	"	26531	Grimm Mfg. Co., Wellington street.		"	"	"
" 28	"	26532	Alfred Edwards, 78 University street, Montreal.	75c.	Brome County Maple Product Co	"	Adulterated with foreign sugar.
<i>District of Kingston—J. J. Costigan, Food Inspector.</i>							
Mar. 1	Maple Syrup.....	26501	R. McGregor, 180 Sparks street, 2 bottles, 40c. Ottawa.		Montreal Maple Co.....	Dr. J. T. Donald	Adulterated with foreign sugar.
" 1	"	26502	" " " 3 " 50c.		F. J. Castle Co., Ltd., Ottawa...	"	"



"	1 Eastern Townships Brand.	26504 Bate & Co., 150 Rideau street, 3 tins, \$1.05. Made in Sutton, Que. ....	"	Adulterated with foreign sugar.
"	2 Lily Brand	26505 T. W. Dennis & Co., King street, 3 bots., 45c.. Canada Preserving Co., Hamilton street, Brockville.	"	Adulterated with foreign sugar.
"	2 Semper Idem Brand.	26506 A. E. Shaver, King street, 3 " 75c.. Wm. Koch, Montreal.....	"	Adulterated with foreign sugar.
"	2 Maple Syrup	26507 " " 2 jars, 35c.. Bottled by vendor from bulk.....	"	Genuine.
"	2 Diamond Brand.....	26508 J. Crawford, Princess street, 3 tins, 75c.. Sugars, Ltd., Montreal.....	"	Adulterated with foreign sugar.
"	2 Cabinet Brand.....	26510 James Kelly, Princess street, 3 bots., 75c.. Montreal Maple Co. ....	"	Adulterated with foreign sugar.

District of Toronto—J. J. Costigan, Food Inspector.

Mar.	8 Forest Brand. ....	25063 Gray & Co., 552 Queen street, 3 tins, 90c.. Toronto.	Dr. W. H. Ellis.	Adulterated by admixture of foreign sugar.
"	8 Bush Brand	25064 Brown Bros., 186 Queen W., 3 " 60c.. Put up in tins specially for vendor with their name thereon.	"	Adulterated by substitution of foreign sugar.
"	8 Diamond Brand.....	25065 Grand Valley Produce Co., W. Bick, prop., 434 Queen W., Toronto.	"	Adulterated by substitution of foreign sugar.
"	8 Maple Syrup.....	25066 T. Guay, 318 Queen W., Toronto.	"	Adulterated by substitution of foreign sugar.
"	8 Falcon Brand.....	25067 G. H. Cooper, 252 Queen W., Toronto.	"	Adulterated by substitution of foreign sugar.
"	8 Beauce Brand.	25068 Wm. Massen, 182 Queen W., Toronto.	"	Adulterated by substitution of foreign sugar.
"	9 Maple Syrup.....	25069 A. C. Buchner, Orillia, Ont. ....	"	Adulterated by substitution of foreign sugar.
"	10 Aurora Brand.	25070 W. H. Gillard & Co., Main St., Hamilton.	"	Adulterated by substitution of foreign sugar.
"	10 Empire Brand.....	25071 Lucas, Steele & Bristol, McNab St., Hamilton.	"	Adulterated by substitution of foreign sugar.
"	10 Maple Syrup.....	25072 C. H. Peebles, McNab St., Hamilton.	"	Adulterated by admixture with foreign sugar.
"	10 " .....	25073 C. Lee, 101 King E., Hamilton.	"	Adulterated by addition of foreign sugar.
"	11 Red Band Brand.....	25074 A. M. Smith & Co., London, Ont.	"	Adulterated by addition of foreign sugar.
"	11 Farmers Brand.....	25077 Ryan & Russell, London, Ont.	"	Adulterated by addition of foreign sugar.
April	5 Red Shield Brand.....	25190 Warren Bros. & Co., Front St., Toronto, Ont.	J. G. A. Valin..	Adulterated with foreign sugar.
"	5 Eureka Brand	25191 Ecklehardt & Co., Front St., Toronto.	"	Adulterated with foreign sugar.
"	5 Falcon Brand.....	25192 Davidson-Hay Co., Ltd., Yonge St., Toronto.	"	Adulterated with foreign sugar.



TABLE I—FIRST COLLECTION OF MAPLE SYRUP—Continued.

Date of Collection.	Nature of Sample or Name of Brand.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by Vendor.	Name of Analyst.	Remarks by the Analyst.
1905.							
<i>District of Toronto—J. J. Costigan, Food Inspector— Concluded.</i>							
April 6	Sterling Brand..	25193	T. Long & Bro., Ltd., Collingwood, Ont.	3 tins, 65c		J. G. A. Valin..	Adulterated with foreign sugar.
" 7	Diamond Brand. ....	25194	Lind, Kerrigan & Co., London, Ont.	3 " 66c		"	Adulterated with foreign sugar.
" 7	Farmers Brand. ....	25195	Edward Adams & Co., London, Ont.	3 " 75c		"	Adulterated with foreign sugar.
" 7	Challenge Brand.....	25196	J. F. Smyth & Co., Windsor, Ont.	3 " 66c		"	Adulterated with foreign sugar.
" 8	Sugar Bush Brand. ....	25197	James Turner & Co., Hamilton.	3 " 65c		"	Adulterated with foreign sugar.
" 9	Tartan Brand. ....	25198	Balfour & Co., Hamilton	3 " 69c		"	Adulterated with foreign sugar.
<i>District of London—T. Kidd, Food Inspector.</i>							
Mar. 22	Royal Brown Brand.....	26524	R. & J. H. Simpson Co., Guelph, Ont.	3 tins, 60c		J. G. A. Valin..	Adulterated with foreign sugar.
" 22	Diamond Brand.....	26525	" "	3 " 60c		"	Adulterated with foreign sugar.
" 23	Magnolia Brand .....	26526	Geo. Foster & Sons, Ltd., Brantford.	3 " 65c		"	Adulterated with foreign sugar.
" 23	Myrtle Brand. ....	26527	T. B. Escott & Co., London, Ont.	3 " 66c		"	Adulterated with foreign sugar.
Feb. 28	Maple Syrup. ....	22251	John Beattie, Seaforth, Ont.	1 qt., 25c	Elliott, Mar & Co., wholesale grocers, London.	Dr. W. H. Ellis.	Adulterated by substitution of foreign sugar.
" 28	" .....	22252	A. G. Ault, Seaforth, Ont.	1 " 25c	Geo. Foster & Sons, Brantford.	J. G. A. Valin..	Adulterated with foreign sugar.
" 28	Farmers Maple Syrup.....	22253	James Canning, Dublin, Ont.	1 " 25c	Edward Adams & Co., London, Ont.	Dr. W. H. Ellis.	Adulterated by substitution of foreign sugar.
Mar. 1	Maple Syrup. ....	22254	R. S. Jones, Stratford.	1 " 25c	Lucas, Steele & Bristol, Hamilton.	"	Adulterated by substitution of foreign sugar.
" 1	Imperial Syrup. ....	22255	Ryan & Russell, London, Ont.	1 " 30c	Imperial Syrup Co	"	Adulterated by substitution of foreign sugar.



SESSIONAL PAPER No. 14

"	1	Maple Syrup	22256	Somerville & Co., Dundas St., London.	1	"	25c.	T. B. Escot & Co., London, Ont.	"	Adulterated by substitution of foreign sugar.
"	1	"	22257	Scandrett Bros., Co., Montreal.	3	pints,	35c.	Royal Maple Syrup Co., Montreal.	"	Adulterated by substitution of foreign sugar.
"	2	"	22260	James McManus, St. Thomas.	1	qt.,	35c.	Grocers Trading and Mfg. Co., Montreal.	"	Adulterated by substitution of foreign sugar.

District of Manitoba—W. M. Conklin, Food Inspector.

Mar.	9	Maple Syrup	23955	The Retail Co., Morden, Man.	1	qt.,	35c.	The Imperial Syrup Co.	Dr. W. H. Ellis.	Adulterated by addition of foreign sugar.
"	9	"	23956	J. H. Heiman, Morden, Man.	2	qts.,	75c.	The Canada Maple Exchange	"	Mixed with foreign sugar.
"	11	"	23957	Telfer Bros., Winnipeg, Man.	1	qt.,	25c.	"	"	Adulterated by addition of foreign sugar.
"	11	Quebec Brand	23958	The A. Macdonald Co., Winnipeg.	2	qts.,	40c.	The A. Macdonald Co., Winnipeg	"	Adulterated by admixture of foreign sugar.
April	11	Maple Syrup	23961	Campbell Bros. & Wilson, Winnipeg.				Vendors	J. G. A. Valin	Adulterated by admixture of foreign sugar.

District of Calgary—W. Fletcher, Food Inspector.

Mar.	6	Imperial Brand	21791	C. E. & J. Galt, Calgary.	3	tins,	\$1.00.	The Imperial Syrup Co., Grey Nuns St., Montreal.	Dr. W. H. Ellis.	Adulterated by addition of foreign sugar.
"	6	Cabinet Brand	21792	Canada Grocers, Ltd., Turner & Co., Calgary, Br.	3	"	75c.	The Montreal Maple Co., Montreal.	"	Adulterated by addition of foreign sugar.

District of British Columbia—E. B. Parkinson, Food Inspector.

Mar.	10	Empire Brand	24972	West End Grocery Co., Victoria, B.C.	2	qts.,	50c.	Ramsay Bros., Vancouver.	Dr. C. J. Fagan.	Adulterated with foreign sugar.
"	10	Old Settlers Brand	24973	Hardress Clarke, Victoria.	1	can,	80c.	Farrel & Co'y, Victoria, B.C.	"	Adulterated with foreign sugar.
"	11	Pure Rock Brand	24975	J. Moffatt, Victoria.	3	bots.,	50c.	McBri le & Hilman, Vancouver.	"	Adulterated with foreign sugar.
"	11	Bear Brand	24976	D. H. Ross, Victoria.	1	jar,	50c.	Bliss Syrup Refining Co., Omaha.	"	Adulterated with foreign sugar.
"	13	Maple Syrup	24978	H. Alvert, Vancouver.	1	can,	\$1.00.	Vermont Syrup Co.	"	Adulterated with glucose.
"	13	"	24979	A. Desbrisay, Vancouver.	3	pints,	35c.	Messrs. Balfour & Co., Hamilton, Ont.	"	Adulterated with foreign sugar.



TABLE II.—FIRST COLLECTION OF MAPLE SUGAR.

Date of collection.	Nature of Sample or Name of Brand.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by Vendor.	Name of Analyst.	Remarks by the Analyst.
1905.							
<i>District of Halifax—R. J. Waugh, Food Inspector.</i>							
Mar. 8	Maple Sugar.....	20282	W. T. Stephens, Wolfville, N.S. 1½ lbs., 30c.		W. Puddington, Parrsboro, N.S.	M. Bowman....	Unadulterated.
" 9	" .....	20285	E. Shaw, Windsor, N.S. .... 1½ " 35c		Unknown .....	" .....	Unadulterated.
<i>District of New Brunswick J. C. Ferguson, Food Inspector.</i>							
Mar. 6	Maple Sugar.....	23886	Denis Pothey, City Market, 3 lbs., 45c. .... Charlotte St., St. John.		Goddard Bros., Elgin, N.B. ....	M. Bowman....	Adulterated with foreign sugar.
" 9	" .....	23889	2 Barkers, Ltd., Queen St., 2 " 40c. .... Fredericton.		R. L. Hagerman, Bear Island, N.B.	" .....	Unadulterated.
<i>District of Quebec—G. Mulrooney, Food Inspector.</i>							
Feb. 28	Maple Sugar....	26001	Jules Belanger, Beaufort, Que. 1 lb., 12c. ....		Mr. Tamossen, a farmer.....	Dr. Donald....	Genuine.
Mar. 1	" .....	26003	P. L. Turgeon, Quebec..... 1 block, 36c. ....		A farmer.....	" .....	Genuine.
<i>District of St. Hyacinthe—J. C. Rouleau, Food Inspector.</i>							
Mar. 4	Beaver Brand.....	24657	Olivier Hébert, Iberville, Que. 2 lbs., 20c. ....		The Grocers Trading & Mfg. Co., Montreal.	Dr. J. T. Donald	Adulterated with foreign sugar.
" 4	Maple Sugar.....	24659	F. H. Pion, St. Hyacinthe. .... 2 " 20c. ....		F. N. Leblanc, St. Jude's, Que. ....	" .....	Genuine.
" 25	" .....	24662	Amable Jacques, La Présentation. .... 2 " 20c. ....		Michel Leduc, La Présentation. ....	" .....	Adulterated with foreign sugar.
April 1	" .....	24664	Frs. Meunier, St. Michel de Rougemont. .... 2 cakes, 20c. ....		Albert Lapierre, St. Michel de Rougemont.	" .....	Genuine.



District of Montreal—J. J. Costigan, Food Inspector.

Feb. 28	Maple Sugar.....	25391	W. H. Scroggie, Ltd., St. Cath- erine St., Montreal.	2 lbs., 25c.	Canada Maple Exchange .....	Dr. J. T. Donald	Genuine.
Mar. 18	" .....	25397	J. A. Dame, 1356 De Montigny St., Montreal.	3 " 30c	Not known.....	" ..	Adulterated with foreign sugar.

District of Kingston—J. J. Costigan, Food Inspector.

March 1	Maple Sugar.....	26503	R. McGregor, 180 Sparks St., Ottawa.	3 lbs., 25c.	Not known.....	Dr. J. T. Donald	Adulterated with foreign sugar.
" 2	" .....	26509	F. W. VanLauren, 246 Princess St., Kingston.	3 " 25c.	" ..	" ..	Adulterated with foreign sugar.

District of Toronto—J. J. Costigan, Food Inspector.

Mar. 10	Maple Sugar.....	25075	Battram & Co., King St. west, 3 cakes, Hamilton.	30c.	Not known.....	J. G. A. Valin	Genuine.
" 10	" .....	25076	A. G. Bain, King St. east, 3 Hamilton.	" 45c.	White & Co., Toronto, Ont.....	Dr. W. H. Ellis.	Adulterated by admix- ture with foreign sugar.

District of London—T. Kidd, Food Inspector.

March 1	Maple Sugar.....	22258	French & Co., Dundas St., 1½ lbs., London.	25c.	G. A. Boright, Sutton Que. ....	Dr. W. H. Ellis.	Adulterated by substitu- tion of foreign sugar.
" 2	" .....	22259	Steel & Co., St. Thomas.....	2 " 20c.	Brome County Maple Sugar Co., Que.	" ..	Adulterated by substitu- tion of foreign sugar.

District of Manitoba—W. M. Conklin, Food Inspector.

Mar. 11	Maple Sugar.....	23959	A. R. Christie, Winnipeg.....	3 cakes, 30c.	The McPherson Fruit Co., Win- nipeg.	Dr. W. H. Ellis.	Genuine.
" 11	" .....	23960	J. A. McKerchar, Winnipeg .. 3	" 30c.	The Grocers Trading and Mann- facturing Co.	" ..	Adulterated by addition of foreign sugar.

District of British Columbia—E. B. Parkinson, Food Inspector.

Mar. 10	Maple Sugar.....	24974	H. A. Lilley, Victoria.....	1 lb., 25c.	Did not know. ....	Dr. C. J. Fagan.	Genuine.
" 11	" .....	24977	F. Islander, Vancouver.....	1 " 20c.	A. Worsley, Vancouver.. ..	" ..	Genuine.



TABLE III.—SECOND COLLECTION OF MAPLE SYRUP.

Date of Collection.	Nature of Sample or Name of Brand.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by Vendor.	Name of Analyst.	Remarks by the Analyst.
1905.							
<i>District of Nova Scotia—R. J. Waugh, Food Inspector.</i>							
April 26	Maple Syrup.	20487	W. Smith, Kentville, N.S.	1 tin, 35c.	Imperial Syrup Co., Montreal, Q.	J. G. A. Valin.	Adulterated with foreign sugar.
" 26	"	20488	S. L. Cross, Kentville, N.S.	1 " 25c.	Canadian Maple Co., Toronto	"	Adulterated with foreign sugar.
" 26	"	20493	F. J. Porter, Wolfville, N.S.	1 " 30c.	Canada Maple Exchange, Montreal.	"	Adulterated with foreign sugar.
" 27	"	20496	Shand Bros., Windsor, N.S.	1 " 30c.	Sugars, Ltd., Montreal	"	Adulterated with foreign sugar.
" 27	"	20498	D. Wood, Windsor, N.S.	1 " 30c.	Imperial Syrup Co., Montreal.	"	Adulterated with foreign sugar.
<i>District of Prince Edward Island—T. Moore, Food Inspector.</i>							
May 3	Maple Syrup.	24427	Sinclair & Stewart, Summerside	3 pts, 70c.	Mrs. Thomas Moyce, St. Elenors, P.E.I.	J. G. A. Valin.	Genuine.
" 4	"	24431	Estate of W. F. Carter, Charlottetown, P.E.I.	3 " 60c.	E. McKenzie, Spring Hill, N.S.	"	Genuine.
<i>District of New Brunswick—J. C. Ferguson, Food Inspector.</i>							
April 20	Maple Syrup	23892	Charles F. Francis & Co., 141 3 Charlotte St., St. John.	3 qts., 90c.	Steeves Bros. and Goddard, Port Elgin, N.B.	J. G. A. Valin.	Genuine.
" 27	"	23896	Sussex Mercantile Co., Sussex, N.B.	3 jars, 50c.	John Driscoll, Elgin, N.B.	"	Genuine.
" 27	"	23898	Beaton & Co., City Market, Moncton, N.B.	3 qts., 75c.	Henry Renton, Lutes Mountain, N.B.	"	Genuine.
May 15	"	24010	John Gibson & Sons, Queen St., Fredericton.	3 bots., 75c.	Harry Colter, Keswick Ridge, N.B.	"	Genuine.
" 15	"	24011	C. H. Burt, Queen St., Fredericton.	3 " 90c.	Willard Clark, Lower Line, Queensburg.	"	Genuine.



District of Quebec—Geo. Mulrooney, Food Inspector.

May 15	Maple Syrup	.....	26019	W. Gagnon et Cie, Quebec	.....	3 bottles,	75c	A farmer	.....	Dr. J. T. Donald	Genuine.
" 16	"	.....	26020	J. A. Vézina, Quebec	.....	3 "	75c	"	.....	"	Genuine.
" 16	"	.....	26021	M. Hogan, Quebec	.....	3 "	75c	"	.....	"	Genuine.
" 16	"	.....	26022	Alex. Roy, Quebec	.....	3 "	75c	"	.....	"	Genuine.
" 16	"	.....	26023	J. E. Tessier, Quebec	.....	3 "	75c	"	.....	"	Genuine.
" 16	"	.....	26024	A. Paquet, Quebec	.....	3 "	75c	"	.....	"	Genuine.
" 16	"	.....	26025	P. Richard, Quebec	.....	3 "	75c	"	.....	"	Genuine.
" 16	"	.....	26027	J. B. Côté, Quebec	.....	3 "	75c	"	.....	"	Genuine.

District of St. Hyacinthe—J. C. Rouleau, Food Inspector.

April 22	Maple Syrup	.....	24665	Antoine Chicoine, St. Hyacinthe	.....	1 gall.,	90c	Himself	.....	Dr. J. T. Donald	Genuine.
" 22	"	.....	24666	F. H. St. Germain	.....	1 "	\$1	"	.....	"	Genuine.
" 25	"	.....	24667	R. T. Leroux, Roxton Falls, Que.	.....	1 qt.,	25c	H. St. Amant, Roxton Falls, Que.	.....	"	Genuine.
" 26	"	.....	24668	Gibson Bros., Danville, Que.	.....	2 jars,	60c	W. Lockwood, Danville, Que.	.....	"	Genuine.
May 2	"	.....	24669	McClatchee Bros., Cowansville	.....	3 "	65c	Alex. Buchanan, Dunborough	.....	"	Genuine.
" 2	"	.....	24670	Leandre Gosselin, Bedford, Que.	.....	4 "	45c	Geo. Homer Baker, Bedford, Que.	.....	"	Doubtful.
" 2	"	.....	24671	Gosselin et Frères, Notre Dame de Stanbridge	.....	3 "	70c	Mr. Beaudry, place unknown	.....	"	Genuine.
" 2	"	.....	24672	C. O. Gervais et Frères, St. Jean, Que.	.....	1 qt.,	50c	Grocers Trading and Mfg. Co., Montreal	.....	"	Adulterated with syrup from foreign sugar.

District of Montreal—J. J. Costigan, Food Inspector.

April 18	Maple Syrup	.....	25201	Emile P. Dune, Bleury St.	.....	3 pts.,	50c	W. R. Peters, South P.Q.	.....	Dr. J. T. Donald	Genuine.
" 19	"	.....	25202	Henry Russell, 2663 St. Catherine St.	.....	3 "	60c	A. W. Westover, Sutton Junction, P.Q.	.....	"	Genuine.
" 19	"	.....	25203	D. D. Munro & Co., 2567 St. Catherine St.	.....	2 bottles,	60c	J. E. J. Herrick, Abbotsford, P.Q.	.....	"	Genuine.



TABLE III.—SECOND COLLECTION OF MAPLE SYRUP—Continued.

Date of Collection.	Nature of Sample or Name of Brand.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by Vendor.	Name of Analyst.	Remarks by the Analyst.
District of Montreal—J. J. Castigan, Food Inspector. Concluded.							
April 19	Maple Syrup	25204	English Provision Co., 2500 St. 3 pts., Catherine St.	50c.	John Smith, Lakefield, P.Q.	Dr. J. T. Donald	Genuine.
" 19	"	25205	A. Dionne & Co., 2449 St. 3 tins, Catherine St.	\$1.05	Jos. S. Baker & Son, Dunham...	"	Genuine.
" 19	"	25206	H. Picard, 107 St. Antoine	45c.	Fortin Monnette, Montreal	"	Genuine.
" 19	"	25207	Beauvais & Lalonde, 482 St. 3 James St.	45c.	Jas. Dalrymple & Son, Montreal.	"	Genuine.
" 19	"	25208	N. Collins & Co., 310 Notre Dame St. E.	45c	Not known	"	Genuine.
" 19	"	25209	N. Fontaine, Bonsecours Market	38c.	Arthur Mireau, Montreal	"	Genuine.
" 19	"	25210	N. Ethier, Bonsecours Market	2 bottles, 50c	Not given	"	Adulterated with syrup from foreign sugar.
District of Kingston—J. J. Castigan, Food Inspector.							
April 27	Maple Syrup	25228	Jas. Redden & Co., Princess St. Kingston.	38c.	Not known	Dr. J. T. Donald	Genuine.
" 27	"	25229	Anderson Bros., Division St. Kingston.	38c.	Not given	"	Adulterated with syrup from foreign sugar.
" 27	"	25230	D. Cooper, Princess St., Kingston.	45c.	"	"	Genuine.
" 19	"	25231	R. J. Carson, Princess St. Kingston.	35c.	Edwardsburgh Starch Co.	"	Adulterated, being largely if not entirely glucose syrup.
" 27	" (Compound).	25232	F. W. Vanluken, Princess St. Kingston.	60c.	Simcoe Maple Syrup Co.	"	Adulterated with syrup from foreign sugar.
" 28	"	25233	A. D. Adams, King St., Brockville.	38c.	Mrs. James, Elizabethtown	"	Genuine.
" 28	"	25234	H. T. Murray, King St., Brockville.	45c.	Not given	"	Genuine.
" 29	"	25235	Anderson, Langstaff & Co., Kemptville.	38c.	Chas. Patton, Hickston, Ont.	"	Genuine.



District of Toronto—J. J. Costigan, Food Inspector.

May	4	Maple Syrup.....	25252	D. J. Forest, Central Market, 2 jars, 60c..	Not given .....	J. G. A. Valin..	Adulterated with foreign sugar.
"	4	"	25253	W. J. Griffith, Central Market, 3 bottles, 30c	Brome Co. Maple Produce Co .....	"	Adulterated with foreign sugar.
"	4	"	25254	W. T. Murphy, Central Market, 1 jar, 30c..	Sold as pure .....	"	Adulterated with foreign sugar.
"	4	"	25255	L. N. Corman, Caledonia St., 3 pts., 45c..	McPherson & Glanco, Hamilton..	"	Adulterated with foreign sugar.
"	4	Habitant Brand.....	25256	P. J. Galvin, 47 York St., 3 tins, 75c..	.....	"	Adulterated with foreign sugar.
"	5	Maple Syrup.....	25257	Michie & Co., 7 King St., W., 3 " 75c..	G. B. Hall, Barnston, Que .....	"	Adulterated with foreign sugar.
"	5	"	25258	" " " 2 " 90c..	Grimm Mfg. Co.....	"	Genuine.
"	5	"	25259	" " " 3 pts., 60c	Stone Bros., Brome Corners .....	"	Genuine.
"	5	Red Shield Brand.....	25261	F. Patience, 429 Yonge St., 3 tins, 75c..	Warren Bros.....	"	Adulterated.
"	5	Sugar Bush Brand .....	25263	A. F. Barker, 302 Yonge St., 3 " 75c..	.....	"	Doubtful.

District of London—T. Kidd, Food Inspector.

April	19	Maple Syrup. ....	22263	P. T. Dean, Goderich..... 1 pt., 20c..	A. M. Smith, London, Ont.....	J. G. A. Valin.	Adulterated with foreign sugar.
"	25	"	22269	John Lawson, Dundas St., Lon- 1 " 15c..	Unknown .....	"	Adulterated.
"	25	"	22270	Egan Bros., St. Thomas, Ont. 1 " 20c..	David Lyle, near St. Thomas, Ont.	"	Genuine.
"	25	"	22273	C. H. Lee, London, Ont. .... 1 " 20c..	G. G. Steele, London, Ont.....	"	Adulterated.
"	26	"	22275	F. H. Harley " " " 1 " 20c..	Mr. Hasket, near London .....	"	Genuine.
"	26	"	22276	Beattie & Co., Ingersoll, Ont.. 1 " 15c..	Brome County Maple Sugar Co., Quebec.	"	Adulterated with foreign sugar.
"	27	"	22279	Pool & Co., Woodstock, Ont.. 1 " 15c..	James Logie, Hamilton... ..	"	Adulterated with foreign sugar.

District of Winnipeg—W. M. Conklin, Food Inspector.

April	20	Maple Syrup.....	23962	Hudson Bay Co., Rat Portage.. 1 qt., 35c..	Imperial Syrup Co., Montreal...	J. G. A. Valin..	Adulterated with foreign sugar.
"	20	"	23963	King Cash, Rat Portage..... 1 " 35c..	Canada Maple Exchange .....	"	Adulterated with foreign sugar.



TABLE III.—SECOND COLLECTION OF MAPLE SYRUP—Concluded.

Date of Collection.	Nature of Sample or Name of Brand.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of Manufacturer or Furnisher as given by Vendor.	Name of Analyst.	Remarks by the Analyst.
1905.							
<i>District of Winnipeg—W. M. Conklin, Food Inspector—Concluded.</i>							
April 26	Maple Syrup.....	23964	H. Robinson & Co., Selkirk.....	1 qt. 35c.	The Elby Blain Co., Toronto.....	J. G. A. Valin..	Genuine.
" 27	" .....	23967	Newman Bros., Portage la Prairie.	1 " 40c.	This year's syrup.....	" ..	Genuine.
<i>District of Calgary—R. W. Fletcher, Food Inspector.</i>							
May 9	Maple Syrup.....	21793	Hier & Horn.....	3 tins \$1.35.	Imperial Syrup Co., Ltd., Montreal.	J. G. A. Valin..	Adulterated with foreign sugar.
" 9	" .....	21794	Quinette & Wright....	3 " \$1.35.	J. Turner & Co., Hamilton, Ont.	" ..	Adulterated with foreign sugar.
<i>District of British Columbia—E. B. Parkinson, Food Inspector.</i>							
May 4	Maple Syrup.....	24980	L. Rubinowitz, Steveston, B.C.	1 qt. 35c.	Ramsay Bros., Vancouver.	J. G. A. Valin..	Adulterated with foreign sugar.
" 7	" .....	24983	H. Lee, Vancouver.....	1 " 30c.	Messrs Balfour, Hamilton, Ont.	" ..	Adulterated with foreign sugar.
" 8	" .....	24988	McCulloch Bros., Vancouver..	1 " 40c.	Mr. Standish, Vancouver.....	" ..	Genuine.
" 9	" .....	24995	T. S. Ammandale, New Westminster.	1 " 55c.	W. J. Bothwell, Ulverston, Que.	" ..	Genuine.
" 10	" .....	25000	F. Wright, Vancouver .....	1 " 75c.	G. Blair, Frankland Centre, Que.	" ..	Genuine.
" 10	" .....	26901	A. Desbrisay, Vancouver .....	1 " 30c.	Hill Syrup.....	" ..	Adulterated with foreign sugar.



TABLE IV.—SECOND COLLECTION OF MAPLE SUGAR.

District of Nova Scotia—R. J. Waugh, Food Inspector.						
April 26	Maple Sugar	20490 R. E. Harris, Wolfville, N.S.	1½ lbs. 25c.	J. S. Baird, Mapletown, N.S.	J. G. A. Valin.	Genuine
" 27	"	20497 Shand Bros., Windsor, N.S.	1½ " 30c.	W. Puddington, Parrsboro, N.S.	"	Genuine
District of New Brunswick—J. C. Ferguson, Food Inspector.						
April 20	Maple Sugar	23893 W. A. Porter, Cor. Union and Waterloo Sts., St. John	2½ lbs. 50c.	Goddard Bros., Elgin, N.B.	J. G. A. Valin.	Genuine
" 27	Evaporated Cream Brand.	23899 Roderick McLean, 239 Main St. Moncton.	3 lbs. 60c.	Manufacturers unknown, from Elgin, Albert Co., N.B.	"	Genuine
District of Quebec—Geo. Mulrooney, Food Inspector.						
May 15	Maple Sugar	26018 W. Gagnon et Cie., Quebec.	3 lbs. 30c.	A farmer	Dr. J. T. Donald	Genuine
" 16	"	26026 P. Richard, Quebec.	3 pks. 15c.	"	"	Genuine
District of St. Hyacinthe—J. C. Rouleau, Food Inspector.						
April 26	Maple Sugar	24673 L. E. Thibaudan, Plessisville, Que.	4 lbs. 28c.	Alfred Brisson, St. Sophie, Que.	Dr. J. T. Donald	Genuine
" 27	"	24674 L'Égare et Cie, St. Joseph, Que.	3¼ lbs. 34c.	Mr. Lessard, St. Joseph, Que.	"	Genuine
District of Montreal—J. J. Costigan, Food Inspector						
April 18	Maple Sugar	25211 E. P. Dancé, 182 Bleury St, Montreal.	2 lbs. 30c.	J. A. Vaillancourt, Montreal.	Dr. J. T. Donald	Genuine
" 19	"	25212 D. D. Munro & Co., 2567 St. Catherine St.	3 " 35c.	John Caldwell, Montreal.	"	Genuine
District of Kingston—J. J. Costigan, Food Inspector.						
April 27	Maple Sugar	25236 J. Hiscocks, Princess Street, Kingston.	3 lbs. 30c.		Dr. J. T. Donald	Genuine
" 28	"	25237 J. Rhodes & Co., King Street, Brockville.	3 cakes 30c.	John Sloan, Belleville, Ont.	"	Adulterated with foreign sugar.



TABLE IV - SECOND COLLECTION OF MAPLE SUGAR - Concluded.

Date of Collection.	Nature of Sample or Name of Brand.	No. of Sample.	Name and Address of Vendor.	Cost	Name and Address of Manufacturer or Furnisher as given by Vendor.	Name of Analyst.	Remarks by the Analyst.
1905.							
District of Toronto—J. J. Cestigan, Food Inspector.							
May 4	Maple Sugar.....	25262	W. T. Murphy, Central Market, 3 lbs. 45c. Hamilton.			J. G. A. Valin.	Adulterated with foreign sugar.
" 5	" .....	25260	W. B. Wellwood, 161 Yonge St., Toronto.	3 " 50c.	Sold as pure.....	"	Genuine.
District of London—T. Kidd, Food Inspector.							
April 19	Maple Sugar.....	22261	J. W. Irwin, Clinton, Ont....	1 lb. 20c.	John Stone, Toronto, Ont.....	J. G. A. Valin.	Genuine.
" 24	" .....	22265	J. A. Monteith, Stratford....	1 " 15c.	Warren Bros., Toronto.....	"	Adulterated.
District of Winnipeg—W. M. Conklin, Food Inspector.							
April 27	Maple Sugar.....	23965	R. J. Gilliland, Portage la Prairie.	1 lb. 15c.	McPherson Fruit Co., Winnipeg.	J. G. A. Valin.	Genuine.
" 27	" .....	23966	D. G. Macdonald, Portage la Prairie.	1 " 15c.	.....	"	Genuine.
District of British Columbia—E. B. Parkinson, Food Inspector.							
May 9	Maple Sugar.....	26902	F. Islander, Vancouver, B.C..	1 lb. 20c.	Worsley, Vancouver.....	.....	Samples lost.
" 9	" .....	26903	A. Theodore, Vancouver, B.C..	1 " 25c.	.....	.....	Samples lost.



APPENDIX G.

BULLETIN No. 103—PEPPERS.

OTTAWA, March 22, 1905.

WM. HIMSWORTH, Esq.,  
Acting Deputy Minister.

SIR,—I beg to submit herewith tabulated statements showing the results of examining black and white peppers collected in the month of February last, in accordance with the instructions contained in your letter dated the 1st of that month. The following summary shows where the samples were collected and in what numbers and classifies them, also in reference to their purity:—

	District.	Genuine.	Doubtful.	Adult- erated.	Total.
Black Peppers..	Nova Scotia. ....	4	0	0	4
	Prince Edward Island .....	1	0	0	1
	New Brunswick .....	2	1	2	5
	St. Hyacinthe.....	0	0	7	7
	Montreal.....	3	0	6	9
	Kingston.....	2	1	4	7
	Toronto.....	2	3	4	9
	London.. ..	5	0	2	7
	Manitoba .....	1	1	3	5
	British Columbia.....	2	1	3	6
		22	7	31	60
White Peppers..	Nova Scotia.....	3	0	0	3
	Prince Edward Island .....	1	0	0	1
	New Brunswick. . . . .	1	0	1	2
	St. Hyacinthe. ....	0	0	3	3
	Montreal .....	0	1	2	3
	Kingston.....	3	0	0	3
	Toronto.....	1	2	0	3
	London.. ..	2	0	1	3
	Manitoba .....	1	0	1	2
	Calgary. ....	0	0	1	1
		13	3	10	26
Both sorts. ....		35	10	41	86

From these figures it will be seen that 47·7 per cent of the samples collected were found to be adulterated and only 40·7 per cent undoubtedly genuine.

I have the honour to be, sir,  
Your obedient servant,

THOMAS MACFARLANE,  
*Chief Analyst.*



RESULTS of examining Black and White Peppers.

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.	Total Ash.	Microscopic Examination.	Opinion by A. McGill.
1905.							
<i>District of Nova Scotia.</i>							
Feb. 21.	Black Pepper.	20267	J. P. Mott & Co., Halifax.	3 pkts.	4.50	Pepper tissue only.	Genuine.
" 21.	"	20268	The E. S. Tracey Mfg. Co., Halifax	" 20	5.20	"	"
" 21.	"	20269	W. H. Schwartz & Sons, Halifax.	" 21	3.84	"	"
" 21.	"	20271	C. S. Davis, Halifax	" 27	4.56	"	"
<i>District of Prince Edward Island.</i>							
Feb. 23.	Black Pepper.	24421	Boer & Goff, Charlottetown	$\frac{1}{2}$ lb.	5.00	Pepper tissue only.	Genuine.
<i>District of New Brunswick.</i>							
Feb. 8.	Black Pepper, Reindeer Brand	23868	Baird & Peters, Ward St., St. John.	3 $\frac{1}{4}$ lbs.	4.70	Pepper tissue only.	Genuine.
" 15.	Black Pepper.	23873	E. M. Gamong, Water St., St. Stephen's	" 30	5.92	Wheat flour and foreign tissue	Adulterated.
" 16.	"	23875	E. M. Hoben, York St., Fredericton.	" 25	4.20	Pepper tissue only	Genuine.
" 22.	"	23877	Carleton & McArthur, Broad St., Sussex.	" 21	4.82	Wheat starch and foreign tissue	Adulterated.
" 23.	"	23880	Steeves & Allanach, Main St., Moncton.	" 25	5.14	A little wheat starch and some stone cells	Doubtful.
<i>District of St. Hyacinthe.</i>							
Feb. 15.	Black Pepper.	24641	Jos. Dauphinais, Village St. Hilaire,	1 lb.	15.81	Foreign tissues and dirt	Adulterated.
" 15.	" Arrow Brand.	24642	E. Perras, St. Lambert.	" 35	12.48	"	"
" 15.	"	24643	A. Foisy, St. Jean, Que.	" 24	14.38	"	"
" 15.	"	24644	L. Moreau, St. Jean, Que.	" 20	15.76	"	"
" 15.	"	24645	Buzzle Bros., Cowansville.	" 30	5.78	Wheat and maize starch.	"
" 15.	" Brand	24646	C. A. Boright, Sweetsburgh	" 22	5.20	"	"
" 15.	"	24647	C. H. Boright, Sweetsburgh	" 22	5.44	Maize and other starches.	"
<i>District of Montreal.</i>							
Feb. 21.	Black Pepper.	25316	Julien Niding, 258 Rachel St., Montreal.	1 lb.	14.42	Wheat and buckwheat starch, stone cells and dirt	Adulterated.



Mar.	21.	Black Pepper.....	25317 J. Chatrand, 314 Rachel St., Montreal.....	1 lb.	20	6 14	Pepper tissues only .....	Genuine.
"	21.	" .....	25318 J. H. Mantha, 434 Rachel St., Montreal.....	"	25	6 72	" .....	"
"	22.	" .....	25319 M. Rosenthal, 149 Vitré St., Montreal.....	"	22	13 09	Charcoal stone cells and dirt.....	Adulterated.
"	22.	" .....	25320 T. H. Mallette, 536 Lagauchetière.....	"	20	16 50	Foreign tissues and dirt..	Adulterated.
"	22.	" .....	25321 B. Ram & Co., 115 St. Dominique.....	"	40	15 15	" .....	"
"	22.	" .....	25322 R. Jacobson, 142 St. Dominique .....	"	40	10 40	Pepper tissues and dirt...	"
"	22.	" .....	25323 Jos. Mouton, 35 Hotel de Ville.....	"	25	4 74	Pepper tissues only .....	Genuine.
"	22.	" .....	25324 T. J. Mallette, 1618 Ontario St .....	"	20	15 92	Foreign matter, various..	Adulterated.
<i>District of Kingston.</i>								
Feb.	8.	Black Pepper.....	25341 C. B. McLean, 137 Bank St., Ottawa.....	1 lb.	30	4 78	A little wheat starch .....	Doubtful.
"	8.	" .....	25343 W. J. Eastcott, 209 Bank St., Ottawa.....	"	30	10 94	Wheat flour, stone cells and dirt.....	Adulterated.
"	8.	" .....	25345 P. D. Herbert, 232 Bank St., Ottawa .....	"	30	4 78	Pepper tissue only. ....	Genuine.
"	9.	" .....	25346 James Sutherland, Perth, Ont.....	"	30	3 12	A little wheat starch and some other foreign matter.....	Adulterated.
"	9.	" .....	25347 J. H. Mendels, Perth, Ont.....	"	30	5 30	Pepper tissue only. ....	Genuine.
"	10.	" .....	25348 J. Halligan & Co., Brock St., Kingston.....	"	20	3 20	Wheat and maize starch and foreign tissues.....	Adulterated.
"	10.	Black Pepper.....	25349 D. J. Gillies, Perth St., Cornwall.....	1	30	4 10	Wheat Maize, Starch and foreign tissues.....	Adulterated
<i>District of Toronto.</i>								
Feb.	15.	Black Pepper.....	25360 G. W. Urmy, 366 King St. E., Toronto. ....	1	30	3 12	Wheat flour and foreign tissues .....	Adulterated
"	15.	" .....	25361 J. H. Greenshields, 300 King St. E. Toronto.....	1	25	4 58	Pepper tissues only .....	Genuine
"	15.	" .....	25362 J. & W. McFarren, 214 Queen St. E. Toronto.....	1	30	4 34	Pepper tissues with some foreign tissues .....	Doubtful
"	15.	" .....	25363 Wm. Forster, 104 Queen St. E. Toronto .....	1	35	4 42	A little foreign tissue .....	"
"	15.	" .....	25364 Kelly Bros., 90 Queen St., E. Toronto.....	1	25	2 94	Wheat starch and foreign tissue .....	Adulterated
"	16.	" .....	25365 C. H. Crysdale & Son, Simcoe St., Oshawa.....	1	30	5 92	Pepper tissue and some foreign tissue .....	Doubtful
"	16.	" .....	25366 M. C. Devins, Simcoe St., Oshawa.....	1	30	3 84	Pepper tissues only .....	Genuine
"	17.	" .....	25367 Battram & Co., 116 King St., Hamilton... ..	1	30	2 84	Wheat flour and foreign tissues.....	Adulterated
"	17.	" .....	25368 G. Philip, 39 McNab St., Hamilton .....	1	25	10 08	Wheat flour and foreign tissues .....	"
<i>District of London.</i>								
Feb.	8.	Black Pepper.....	22232 W. J. Norfolk, Stratford.....	1	25	5 04	Stone cells and foreign tissue.....	Adulterated
"	9.	" .....	22236 C. H. Lee, Dundas St., London.....	1	30	4 24	Pepper tissues only .....	Genuine
"	9.	" .....	22238 Canada Spice & Grocery Co., London.....	1	19	3 94	" .....	Genuine
"	9.	" .....	22239 John McCorbie & Son, Chatham.....	1	30	4 36	" .....	Genuine
"	10.	" .....	22242 Messrs. Chene Bros., Windsor, Ont .....	1	30	4 06	Wheat flour and foreign tissues.....	Adulterated



## RESULTS of examining Black and White Peppers—Continued

Date of Collection.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.	Total Ash.	Microscopic Examination.	Opinion by A. McGill.
1905.			<i>District of London—Concluded.</i>	lb. c.			
Feb. 13..	"	22246	P. F. Dean, Goderich.....	1 25	3 92	Pepper tissues only .....	Genuine
" 15..	"	22250	Chas. Andrews, Seaforth.....	1 25	4 48	" .....	"
			<i>District of Manitoba.</i>				
Feb. 16..	Black Pepper.....	23943	Mitchell & Mitchell, Brandon, Man....	1 20	4 84	Wheat flour and stone cells.....	Adulterated
" 18..	"	23949	Campbell Bros. & Wilson, Winnipeg .....	1 10	9 27	Stone cells Dirt etc.....	"
" 18..	"	23950	Blue Ribbon Mfg. Co., Winnipeg .....	1 10	5 36	Pepper tissues only .....	Genuine
" 18..	"	23951	Codville & Co. Winnipeg .....	1 10	7 19	Foreign tissues and dirt...	Adulterated
			<i>District of Calgary.</i>				
Feb. 15..	"	21789	Canada Grocers Ltd., J. Turner & Co., Calgary ..	3 20	4 42	Pepper tissues and a little wheat starch .....	Doubtful
			<i>District of British Columbia.</i>				
Feb. 14..	Black Pepper .....	24956	W. Braid, Vancouver, B. C. ....	34 35	5 46	Pepper tissues only .....	Genuine
" 16..	"	24957	J. McTaggart, 813 Granville St., Vancouver .....	34 30	5 58	A little wheat flour.....	Doubtful
" 17..	"	24959	H. A. Howell & Co., 802 Granville St., Vancouver ..	34 30	10 06	Foreign matter various..	Adulterated
" 17..	"	24960	" " " " .....	34 30	4 54	Wheat flour... ..	"
" 18..	"	24966	Empress Mfg. Co., Vancouver, B. C. ....	34 30	7 11	Foreign matter various...	"
" 18..	"	24967	H. A. Fagell & Co., Vancouver, B. C. ....	34 30	3 72	Pepper tissues only.....	Genuine
			<i>District of Nova Scotia.</i>				
Feb. 21..	White pepper .....	20270	W. H. Schwartz & Sons., Halifax..	3 30	0 98	Pepper tissues only .....	Genuine.
" 21..	"	20274	C. E. Choat & Co., Halifax, N.S. ....	"	0 98	" .....	"
" 28..	"	20278	E. M. Walker, Dartmouth, N.S. ....	" 38	1 24	" .....	"
			<i>District of Prince Edward Island.</i>				
Feb. 23..	White pepper.....	24419	Jenkins & Son, Charlottetown. ....	1 20	1 20	Pepper tissues only.....	Genuine.



Feb. 9. 92.	White pepper.....	23869 Earnest E. McMichael.....	<i>District of New Brunswick.</i>			3 24	2 14	Pepper tissues only.....	Genuine.
"	"	23879 King Asbell & Co., Station St., Sussex.....				" 39	2 94	Maize Starch stone cells and other foreign tissue.	Adulterated.
Feb. 15.	White pepper.....	24648 Jos. Pigeon, Belœil, Que.....	<i>District of St. Hyacinthe.</i>			1 lb. 35	6 04	Stone cells and other for- eign tissue.....	Adulterated.
" 15.	"	24649 Lord & Fournier, St. Jean, Que.....				" 30	2 62	Wheat and other foreign starch.....	"
" 16.	"	24650 Jos. Brodeur et Cie, St. Hyacinthe.....				" 25	2 02	Maize and wheat starch...	"
Feb. 21.	White pepper.....	25325 Julien Niding, 258 Rachel St., Montreal.....	<i>District of Montreal.</i>			1 40	2 14	Stone cells and other for- eign tissues.....	Adulterated.
" 21.	"	25326 E. Venne, 319 Rachel St., Montreal.....				" 35	1 98	Pepper tissue and some foreign starch.....	Doubtful.
" 22.	"	25327 B. Ram & Co., 115 St. Dominique.....				" 40	2 32	Wheat starch and foreign tissue.....	Adulterated.
Feb. 8.	White pepper.....	25340 C. B. McLean, 137 Bank St., Ottawa.....	<i>District of Kingston.</i>			1 40	1 04	Pepper tissues only.....	Genuine.
" 8.	"	25342 W. J. Eastcott, 209 Bank St., Ottawa.....				1 40	4 68	"	"
" 8.	"	25344 P. D. Herbert, 232 Bank St., Ottawa.....				" 40	1 08	"	"
Feb. 15.	White pepper.....	25369 G. W. Urmy, 366 King St., E. Toronto.....	<i>District of Toronto.</i>			1 40	3 52	A little wheat flour with pepper.....	Doubtful.
" 15.	"	25370 J. H. Greenshields, 300 King St., E. Toronto.....				1 35	1 08	Pepper tissue and some wheat starch.....	"
" 15.	"	25371 J. & W. McFarren, 214 Queen St., E. Toronto....				1 40	1 12	Pepper tissue only.....	Genuine.
Feb. 8.	White pepper.....	22234 F. W. Hutton, St. Mary's, Ont.....	<i>District of London.</i>			1 40	1 70	Pepper tissue wheat starch and stone cells.....	Adulterated
" 9.	"	22237 J. M. Wardell, Dundas St., London.....				" 40	3 40	Pepper tissues only.....	Genuine.
" 13.	"	22247 J. J. McEwan, Goderich.....				" 40	1 18	"	"
Feb. 16.	White pepper.....	23944 A. M. Percival, Brandon.....	<i>District of Manitoba.</i>			1 15	1 00	Pepper tissues only.....	Genuine.
" 17.	"	23946 T. A. Newman & Bro., Portage La Prairie.....				" 20	2 74	Wheat flour, etc.....	Adulterated.



RESULTS of examining Black and White Peppers—*Concluded.*

Date of Collec- tion.	Nature of Sample.	Number of Sample.	Name and Address of Vendor.	Cost.	Total Ash.	Microscopic Examination.	Opinions by A. McGill.
1905.			<i>District of Calgary.</i>	pcts. c.	p. c.		
Feb. 13.	White pepper.....	21788	Medicine Hat Trading Co.....	3 tins30	2·16	Pepper tissues and wheat starch.....	Adulterated.
			<i>District of British Columbia.</i>				
Feb. 17.	White pepper King Brand	24962	The Dominion Grocery, 73 Water St., Vancouver.	3½ lb 30	1·14	Pepper tissues only	Genuine.
" 18.	" .....	24968	H. A. Eagett & Co., Vancouver, B.C.....	" "	1·50	Maize and wheat starch, etc..	Adulterated.



APPENDIX H.

BULLETIN No. 104.—JAMS, MARMALADES AND JELLIES.

OTTAWA, June 15, 1905.

W. J. GERALD, Esq.,  
Deputy Minister of Inland Revenue.

SIR,—I have the honour to submit a report upon Jams, Marmalades and Jellies, collected during May, in accordance with instructions contained in File 90179.

Ninety-eight samples have been analyzed in this laboratory; and the numerical results of analysis are contained in the accompanying tables. In addition to the samples analyzed, a sample of *Red Currant* (25561) was broken in transit, and the following numbers, making no claim to be fruit products, were not analyzed:

No. 20292	—calvesfoot jelly.
" 22281	} Gelatine package jelly powders.
" 22283	
" 22285	
" 22287	
" 22289	
" 22290	
" 24686	}

The samples analyzed are classified as follows:—

Jams—	
Black currant.....	6 samples
Gooseberry.....	2 "
Peach .....	10 "
Plum.....	10 "
Raspberry .....	15 "
Strawberry.....	12—55
Jellies.....	14
Marmalades.....	29
	—
Total.....	98

Table I gives, as usual, the source of each sample, and a statement of claims made regarding it. Succeeding tables give, in detail, the results of analysis.

I may remark that the column headed 'Residual Cane Sugar' has reference only to that portion of the cane sugar added which is not inverted by the operations of manufacture, and is no indication of the amount of cane sugar originally added. The next column 'Non-Cane Sugar Solids'—contains more or less of the cane sugar, now changed into *invert sugar*, together with glucose, or other matters used in manufacture.

The percentage amount of glucose stated in the 'Remark' column is derived from considerations which are more fully given in Bull. 96 (revised) pp. 18 and 19. As there explained, the quantity of glucose is only approximated, and must not be considered accurate within 5 to 10 per cent. My conclusion as given, is always a conservative one.



5-6 EDWARD VII., A. 1906

The subjoined table gives a synopsis of the results of analysis :—

Articles.	Kind.	Total number of Samp- les.	Found Genu- ine.	Con- taining Glucose.	Con- taining Pre- serva- tives.	Con- taining Dyes.
Jam.. . . . .	Black currant.. . . . .	6	2	4	3	3
	Gooseberry . . . . .	2	0	2	0	0
	Peach . . . . .	10	1	9	1	0
	Plum . . . . .	10	1	9	1	0
	Raspberry . . . . .	15	5	10	3	9
	Strawberry . . . . .	12	3	9	3	6
	Total . . . . .	55	12	43	11	18
Marmalade . . . . .		29	13	16	1	3
Jelly . . . . .		14	8	6	3	8
	Total . . . . .	98	33	65	15	29

It will be seen that of the total number of samples examined :—

66 per cent contained glucose.

15 " " preservatives.

30	"	"	dyes.
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I have the honour to be, sir,

Your obedient servant,

A. MCGILL,

*Acting Chief Analyst.*



INSPECTION OF JAMS AND JELLIES - TABULATED STATEMENT (I).

Date of Collection.	Nature of Sample	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by Vendor.	Inspector's Remarks.
				Quantity.	Price.		
1905.					\$ cts.		
			<i>District of Nova Scotia—R. J. Waugh, Food Inspector.</i>				
May	2 Black currant jam.	20288	W. C. Anderson, Halifax, N.S.	3 jars	0 45	Dougald McIntosh, Toronto.	Sold as Coronation brand.
"	2 Peach jam.	20289	H. W. Wentzell & Co., Halifax, N.S.	1 "	0 25	J. W. Windsor, Montreal.	
"	2 Marmalade, orange	20290	Craig & Hodgson, Halifax, N.S.	3 "	0 30	McGregor, Toronto.	
"	2 Raspberry jam.	20291	E. W. Crease, Halifax, N.S.	2 "	0 40	Pure Gold Company, Toronto.	
"	2 Calves foot jelly.	20292	W. J. Hopgood, Halifax, N.S.	2 "	0 50	E. Lazenby & Son, London, Eng.	
"	2 Marmalade, orange	20293	R. Urquhart & Son, Halifax, N.S.	3 "	0 60	Jas. Keller & Son, Dundee, Scotland	
"	"	20294	James Hogan, Halifax, N.S.	3 "	0 38	Upton, Toronto.	
			<i>District of Prince Edward Island—T. Moore, Food Inspector.</i>				
"	3 Plum jam	24425	Waugh & Steeves, Summerside.	3 qts.	0 48	J. A. Perreault, Montreal.	
"	3 Marmalade.	24426	J. H. Lock, Summerside	3 jars	0 48	T. A. Lytle, Toronto.	
"	"	24429	R. F. Maddigan, Charlottetown.	3 crocks.	0 36	Uptons.	
"	4 Raspberry jam.	24430	Bar & Goff, Charlottetown	3 "	0 45	J. W. Windsor, Montreal.	
"	4 Marmalade.	24432	Jenkins & Son, Charlottetown.	3 qts.	0 51	Pure Gold Mfg. Co., Toronto.	
"	4 Plum jam	24433	R. F. Maddigan, Charlottetown.	3 crocks.	0 45	R. F. Maddigan, Charlottetown.	
			<i>District of New Brunswick—J. C. Ferguson, Food Inspector.</i>				
April 26	Peach jam.	23895	King, Asbell & Co., Queen St., Sussex, N.B.	3 jars	0 36	E. D. Smith, Winona, Ont.	Did not guarantee purity; sold as received.
"	28 Grape jelly.	23900	J. T. Ryan, 254 Main St., Moncton.	3 "	0 45	"	
May	2 Orange marmalade	24001	Harry G. McBeath, 239 Charlotte St., St. John, N.B.	3 "	0 48	Liptons, London, Eng., G.B.	
"	9 Black currant jam.	24003	J. W. Robinson, King St., St. Stephen.	3 "	0 45	The Simcoe Canning Co., Simcoe, Ont.	
"	11 Raspberry jam.	24005	Jas. Burgess & Son, Grand Falls, N.B.	3 "	0 36	The McCormick Mfg. Co., London, Ont.	
"	12 Strawberry jam.	24008	Sullivan Bros., Woodstock, N.B.	3 "	0 45	Uptons	
"	15 Apple jelly.	24012	E. G. Hoben, cor. York and King Sts., Fredericton	"	0 90	Mrs. John Ferguson, Barony Dumfries Parish, N.B.	







District of Montreal—J. J. Costigan, Food Inspector.										
April 25	Grape fruit marmalade.	25282	J. N. Archambault, 2495 Notre Dame St.	3 jars.	0 25	Mrs. Luke, Montreal.	Word compound in small letters on label.			
" 25	Raspberry jam.	25283	D. Chevalier, 2265 Notre Dame St.	3 "	0 30	Upton's.				
" 25	Strawberry jam.	25284	A. Ferron, 208 McCord St.	3 "	0 38	Queen City Brand				
" 25	Peach jam.	25285	H. Deschamps, 137 McCord St.	3 "	0 40	E. Dufour, Montreal.				
" 25	Marmalade.	25286	W. Fleury, 314 Centre St.	3 "	0 30	Mrs. Luke, Montreal.				
" 26	"	25287	Currie Bros., 59 Bleury St.	3 "	0 30	Vendors.				
" 26	Apple jelly.	25288	" "	3 "	0 60	"				
" 26	Plum jam.	25289	Geo. Pichette, 2062 St. Catherine St.	3 "	0 45	Upton's				
" 26	Black currant jam.	25290	H. Poirier, 1938 St. Catherine St.	3 "	0 30	"				
" 26	Peach jam.	25291	A. Lamy, 1862 St. Catherine St.	3 "	0 25	Toronto Jam and Pickle Co				
" 26	Plum jam.	25292	" "	3 "	0 25	Montreal Canning and Preserving Co.				
" 26	Strawberry jam.	25293	A. Fournier, 1789 St. Catherine St.	3 "	0 45	Paquet & Paquet, Montreal				
District of Kingston—J. J. Costigan, Food Inspector.										
April 27	Strawberry jelly.	26557	Anderson Bros., Division St., Kingston.	3 jars.	0 30	Aylmer Canning Co.	Labelled, absolutely pure with word 'Compound' printed in small characters on side.			
" 27	Black currant jam.	26558	D. Couper, Princess St., Kingston.	3 "	0 75	Pure Gold Co., Toronto.				
" 27	Orange marmalade.	26559	James Kelly, Princess St., Kingston.	3 "	0 30	Canada Preserving Co.				
" 27	Raspberry jam.	26560	" "	3 "	0 30	Aylmer Canning Co.	Sterling Brand.			
" 27	Red currant jam.	26561	James Redden & Co., Princess St., Kingston.	3 "	0 30	"				
" 27	Black currant jam.	26562	James Redden & Co., Princess St., Kingston.	3 "	0 60	E. D. Smith, Winona, Ont.				
" 28	Raspberry jam.	26563	H. T. Murray, King St., Brockville.	3 "	0 30	Standard Canning Co.				
" 28	Strawberry jam.	26564	" "	3 "	0 30	"				
District of Toronto J. J. Costigan, Food Inspector.										
May 4	Peach jam.	26568	A. G. Bain, King St. E., Hamilton.	3 "	0 45	Uptons.	Lily Brand—Labelled contrary to Act, 'Absolutely Pure Compound,'			
" 4	Gooseberry jam.	26569	" "	3 "	0 45	"				
" 4	Marmalade.	26570	Taylor Bros., 87 John St., Hamilton.	3 "	0 30	"				
" 4	Raspberry jam.	26571	Frank Smith, 139 John St., Hamilton.	3 "	0 51	Standard Canning Co.	Labelled 'Pure fruit, then word 'Compound' also on label. Same labelling as 26570.			
" 4	Strawberry jam.	26572	" "	3 "	0 30	"				
" 4	Raspberry jam.	26573	John A. Carpenter, Market Square, Hamilton.	3 "	0 45	E. D. Smith, Winona, Ont.				
" 4	Marmalade.	26574	John A. Carpenter, Market Square, Hamilton	3 "	0 30	McLaughlins, Toronto				



## INSPECTION OF JAMS AND JELLES—TABULATED STATEMENT (I)—Concluded.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by Vendor.	Inspector's Remarks.
				Quantity.	Price.		
1905.					\$ cts.		
May	5 Raspberry .....	26575	J. Duggan, 455 Yonge St., Toronto .....	3 jars ..	0 75	Pure Gold Mfg. Co .....	
"	5 Red currant jelly ..	26576	" " .....	3 " ..	0 75	" .....	
"	5 Marmalade .....	26577	W. Eddy, 365½ Yonge St., Toronto ..	3 " ..	0 30	McGregor's, Toronto .....	
"	5 Strawberry jam ..	26578	" " .....	3 " ..	0 60	Lipton's, Ltd. ....	
"	5 Raspberry preserves .....	26579	" " .....	3 " ..	0 54	McGregor's, Toronto .....	
			<i>District of London—T. Kidd, Food Inspector.</i>				
"	1 Sheriff jelly ....	22281	Beck & Schell, Berlin, Ont ..	3 pks ..	0 25	Imperial Extract Co., Toronto .....	
"	1 Peach jam .....	22282	Stuebing & Co., Berlin, Ont .....	3 " ..	0 30	Lumsden, Hamilton .....	
"	1 Jelly, Pure Gold ..	22283	George Hasenflug, Waterloo, Ont .....	3 " ..	0 30	Pure Gold Mfg. Co., Toronto .....	
"	1 Jam, raspberry flavour .....	22284	A. K. Roesch, Waterloo, Ont .....	3 " ..	0 30	Hunderford, Smith & Co., Toronto ..	
"	2 Jelly powder .....	22285	Jackson & Son, Guelph, Ont .....	3 " ..	0 25	Hamilton Coffee & Spice Co., Hamilton	
"	2 Orange marmalade ..	22286	A. J. Fitzsimmons, Guelph, Ont .....	3 " ..	0 30	Upton, Toronto .....	
"	2 Jelly, Lipton's ..	22287	J. A. McCrary, Guelph, Ont .....	3 " ..	0 25	Lipton, London, Eng. ....	
"	2 Graham's marmalade .....	22288	J. A. McKay, Guelph, Ont ..	3 " ..	0 25	Canada Preserving Co., Hamilton .....	
"	2 Jelly, Pure Gold ..	22289	McKay Bros., Georgetown ..	3 " ..	0 30	Pure Gold Mfg. Co., Toronto ..	
"	3 Royal Jelly Powder ..	22290	Joseph Kidd, Athlone, Ont .....	3 " ..	0 30	F. F. Dalley & Co., Hamilton ..	
May	4 Marmalade .....	22291	J. Edward & Son, Beeton, Ont ..	3 pots ..	0 30	Upton, Toronto .....	
"	5 Upton's jam .....	22292	Geo. Gordon, Tottenham, Ont ..	3 " ..	0 30	Canada Grocery Co., Hamilton .....	
			<i>District of Manitoba—W. M. Conklin, Food Inspector.</i>				
"	2 Jam .....	23968	M. R. Schumann, Virden, Man. ....	3 jars ..	0 60	The Canada Preserving Co. ....	
"	2 Jelly .....	23969	Frank Higgins, Virden ..	3 " ..	0 45	The Canada Biscuit Co., Toronto ..	
"	2 Jelly .....	23970	Chingham, Seales & Wilcox, Virden ..	3 " ..	0 60	E. D. Smith, Winona, Ont ..	
"	4 Marmalade .....	23971	A. Grant, Brandon ..	3 " ..	0 60	T. A. Lyttle & Co., Toronto .....	



## SESSIONAL PAPER No. 14

"	4 Jelly.	23972 W. J. Young, Brandon	3 "	0 30 The Dyson Gibson Co., Winnipeg
"	4 Jelly	23973 Smith & Burton, Brandon	3 "	0 75 Maconochie Bros., London, Eng.
<i>District of Calgary—R. W. Fletcher, Food Inspector.</i>				
"	11 Marmalade.	21795 Hudson Bay Co., Edmonton.	3 pots.	0 75 James Keiller & Son, Scotland.
"	11 Peach jam	21796 Revillon Bros., Edmonton.	3 "	0 60 Upton's, Hamilton, Ont.
"	11 Strawberry jelly.	21797 W. F. Studbaker, Edmonton.	3 "	0 75 Aylmer Canning Co., Aylmer.
<i>District of British Columbia—E. B. Parkinson, Food Inspector.</i>				
"	7 Plum jam	24982 H. Lee, Vancouver.	3 5-lb. pails.	1 50 Clinax Impress Mfg. Co., Vancouver.
"	8 Currant jelly.	24984 Mrs. Duff, 910 Western Ave., Van- couver.	3 pots.	0 45 Cutting Packing Co., San Francisco, U.S.
"	8 Strawberry jelly.	24985 E. Clayton, Vancouver.	3 "	0 60 Empress Mfg. Co., Vancouver.
"	8 Raspberry jam.	24986 S. T. Wallace, Vancouver.	3 jars	0 75 Mefes Long, San Francisco.
"	8 Marmalade.	24987 Langdale & Co., Vancouver.	3 "	0 15 Baker Leeson & Co., Vancouver.
"	8 Strawberry jam	24989 Labelle & Co., Vancouver.	3 tins	0 45 J. W. Windsor, Montreal.
"	8 Raspberry jam.	24990 Clarke & Rogerson, Vancouver	3 jars	0 75 Bishop & Co., Los Angeles, Cal.
"	8 Peach jam	24991 J. Deal, Vancouver.	3 tins	0 30 Simcoe Canning Co., Simcoe, Ont.



5-6 EDWARD VII., A. 1906

TABLE II.—BLACK CURRANT

Serial Number.	Collector's Number.	SOLIDS, PER CENT.			Water.	SACCHARIMETER READINGS— NORMAL WEIGHT TO 100CC.			Residual Cane Sugar. (Clerget.)	Soluble Matter, other than Cane Sugar.
		In-soluble.	Soluble.	Total.		Direct.	Invert.	Difference.		
1	20288	4·16	63·9	68·1	31·9	+83·5	+72·1	11·4	8·5	55·4
2	24003	3·69	59·7	63·4	36·6	+71·5	+52·8	18·7	13·9	45·8
3	24691	1·10	69·6	70·7	29·3	+51·9	+26·7	25·2	18·0	51·6
4	25290	1·78	59·3	61·1	38·9	+41·2	+24·3	16·9	12·6	46·7
5	26562	10·28	52·9	63·2	36·8	+13·8	—16·8	30·6	22·9	40·0
6	26558	14·28	56·0	70·3	29·7	—2·1	—18·7	16·6	12·3	43·6
7	25561	.....	.....	.....	.....	.....	.....	.....	.....	.....

GOOSEBERRY

8	24689	2·90	55·0	57·9	42·1	+98·4	+93·0	5·4	4·3	50·7
9	26569	3·06	45·8	48·9	51·1	+18·5	+7·6	10·9	8·2	37·6

TABLE III.—PEACH

10	20289	1·63	67·5	69·1	30·9	+88·0	+66·7	21·3	15·9	51·6
11	21796	1·31	67·8	69·1	30·9	+45·5	+13·8	31·7	23·6	44·2
12	22282	12·00	53·5	65·5	34·5	+52·0	+22·5	29·5	22·0	31·5
13	22292	1·90	47·3	49·2	50·8	+40·7	+22·1	18·6	13·8	33·5
14	23895	7·30	47·6	54·9	45·1	+20·9	—13·4	34·3	25·6	22·0
15	24687	7·10	55·5	62·6	37·4	+60·1	+49·4	10·7	7·1	48·4
16	24991	2·89	58·2	61·1	38·9	+63·3	+43·3	20·0	14·9	43·3
17	25285	1·53	59·6	61·1	38·9	+27·4	+12·7	14·7	15·4	44·2
18	25291	6·98	59·2	66·2	33·8	+75·7	+63·7	12·0	9·0	50·2
19	26568	1·94	65·4	67·3	32·7	+32·0	+1·9	30·1	22·4	43·0



SESSIONAL PAPER No. 14

JAM, JUNE, 1905.

Preservatives.	Dyes.	Remarks.
Salicylic acid..	None. . .	Contains about 45 per cent glucose and a preservative. No label.
None. ....	Present...	Contains about 35 per cent glucose and is dyed. Labelled 'Black Currant Jam, Pure, the Lennox Canning Co., Simcoe, Ont.'
" .....	None.....	Contains about 20 per cent glucose. Labelled 'Upton's Black Currant Jam.'
Salicylic acid..	" ....	Contains about 20 per cent glucose and a preservative. Labelled 'Upton's Black Currant Jam.'
None. ....	Present...	Genuine fruit and sugar. Is dyed. Labelled 'Black Currant Preserves,' F. D. Smith's Fruit Farms, Winona, Ont.
Benzoic acid..	" ..	Genuine fruit and sugar. Contains benzoic acid and is dyed. Labelled 'Black Currant,' 'Absolute Purity,' 'Pure Gold.'
.....	.....	Sample broken in carriage.

JAM

None ... ..	None. . .	Contains about 50 per cent glucose. Labelled 'Gardner Brand,' 'Erie Gooseberry.'
" .....	" ....	Contains about 20 per cent glucose. Labelled 'Gooseberry—finest quality guaranteed—Upton's home-made.'

JAM, JUNE, 1905.

.....	None.....	Contains about 40 per cent glucose. 'Coronation Pure Fruit Jam, J. W. Windsor, Montreal.'
None... ..	" .....	Marked 'Pure Fruit Compound.' Contains about 15 per cent glucose. Labelled 'Upton's Peach Jam.'
" .....	" .....	Marked 'Pure Fruit.' Contains about 20 per cent glucose. Labelled 'Peach Jam, Pure Fruit—Preserved by Standard Canning Co., Hamilton.'
" .....	" .....	Contains 15 to 20 per cent glucose. Labelled 'Upton's Peach Jam.'
" .....	" .....	Genuine. Labelled 'E. D. Smith's Peach Jam,' Fruit Farm, Winona, Ont.
" .....	" .....	Contains about 30 per cent glucose. No label.
Benzoic acid..	" .....	Contains about 30 per cent glucose and a preservative. Labelled 'Simcoe Peach, Pure Jam'—The Simcoe Canning Co., Ont.
None.....	" .....	Marked 'Pure Fruit.' Contains about 15 per cent glucose. Labelled 'Confitures de Pêches—A. Anatolle, Bayeux, France. France E. Doufour, seul agent, Montreal.'
" .....	" .....	Contained 1 peach stone per 100 grammes. Contains about 40 per cent glucose. Labelled 'Queen City Brand, Peach Jam—The Toronto Jam and Pickle Co., Toronto.'
" .....	" .....	Marked 'Finest Quality.' Contains about 10 per cent glucose. Labelled 'Upton's Home-made Peach Jam—Guaranteed.'



5-6 EDWARD VII., A. 1906

TABLE IV.—PLUM

Serial Number.	Collector's Number.	SOLIDS, PER CENT.			Water.	SACCHARIMETER READINGS— NORMAL WEIGHT TO 100CC.			Residual Cane Sugar. (Clerget.)	Soluble Matter, other than Cane Sugar.
		In-soluble.	Soluble.	Total.		Direct.	Invert.	Difference.		
20	22292	5.58	63.8	69.4	30.6	+ 46.3	+ 36.2	10.1	7.5	56.3
21	24425	6.60	66.7	73.3	26.7	+ 65.9	+ 47.6	18.3	13.5	40.0
22	24433	3.01	59.0	62.0	38.0	- 7.6	- 11.6	4.0	3.0	56.0
23	24684	3.78	53.6	57.4	42.6	+ 32.9	+ 9.5	23.4	16.7	36.9
24	24693	6.73	66.8	73.5	26.5	+ 77.7	+ 62.9	14.8	11.0	55.8
25	24982	0.60	64.6	65.2	34.8	+ 70.1	+ 45.7	24.4	18.2	46.4
26	25289	4.16	54.9	59.1	40.9	- 28.1	+ 6.8	21.3	15.9	39.0
27	25292	7.32	54.4	61.7	38.3	+ 68.9	+ 67.8	1.1	0.8	53.6
28	26009	8.50	57.4	65.9	34.1	+ 49.2	+ 44.5	4.7	3.5	53.9
29	26013	8.16	55.1	63.3	36.7	+ 96.8	+ 93.8	3.0	2.2	52.9

TABLE V.—RASPBERRY

30	20291	6.47	58.2	64.7	35.3	+ 5.2	- 17.6	22.8	17.1	41.1
31	23968	1.23	44.5	45.7	54.3	+ 41.8	+ 30.5	11.3	8.4	36.1
32	24005	2.09	63.0	65.1	34.9	+ 52.5	+ 38.1	14.4	10.7	52.3
33	24430	1.17	50.0	51.2	48.8	+ 68.6	+ 53.3	15.3	11.4	38.6
34	24986	3.77	69.9	73.7	26.3	- 86.7	- 81.5	5.2	3.1	66.8
35	24990	7.18	45.9	53.1	46.9	+ 5.9	- 9.8	15.7	11.7	34.2
36	25283	1.13	56.2	57.3	42.7	+ 28.6	+ 11.4	17.2	12.8	43.4
37	26008	4.60	56.3	60.9	39.1	+ 66.2	+ 45.8	20.4	15.2	41.1
38	26012	2.92	62.4	65.3	34.7	+107.0	- 103.4	3.6	2.7	59.7
39	26560	3.85	60.3	64.2	35.8	+ 32.2	+ 18.7	13.5	10.0	50.3
40	26563	3.13	71.0	74.1	25.9	+106.2	+ 81.9	24.3	18.1	52.9
41	26571	2.56	41.1	43.7	56.3	+ 46.7	+ 34.3	12.4	9.3	31.8
42	26573	2.64	70.7	73.3	26.7	+ 20.8	- 23.7	44.5	33.2	37.5
43	26575	4.37	58.6	63.7	37.0	+ 14.5	- 19.0	33.5	25.0	33.6
44	26579	13.57	47.9	61.5	38.5	+ 10.0	- 13.1	23.1	17.2	30.7



SESSIONAL PAPER No. 14  
JAM—JUNE, 1905.

Preservatives.	Dyes.	Remarks.
None.....	None.....	Four stones per 100 grammes. The duplicate of this number is a peach jam. Contains about 30 per cent glucose.
None.....	None.....	Four stones per 100 grammes. Marked 'Compound.' Contains about 35 per cent glucose. Labelled 'Finest pure, healthful jams and jellies, compound, J. A. Perreault, 50 Rue Plesse, Montreal.'
None.....	None.....	Three stones per 100 grammes. Genuine. Labelled 'Home-made preserves, warranted pure, boiled with granulated sugar, R. F. Maddigan, Charlottetown.'
None.....	None.....	Three stones per 100 grammes. Marked 'Pure fruit, compound.' Contains about 15 per cent glucose.
Salicylic acid..	None.....	Four stones per 100 grammes. Marked 'Compound.' Contains about 40 per cent glucose and a preservative. Labelled 'De Salaberry plum jam, compound, J. A. Perreault, Montreal.'
None.....	None.....	No stones present. Marked 'Mixture.' Contains about 35 per cent glucose. Labelled 'Plum jam, Climax brand, jam and jellies, Vancouver, B.C.'
None.....	None.....	Three stones per 100 grammes. Marked 'Finest quality.' Contains about 10 per cent glucose. No label.
None.....	None.....	Five stones per 100 grammes. Contains about 45 per cent glucose. Labelled 'Banner brand plum jam, Montreal Canning and Preserving Co.'
None.....	None.....	Seven stones per 100 grammes. Contains about 35 per cent glucose. No label.
None.....	None.....	Four stones per 100 grammes. Contains about 50 per cent of glucose. Labelled 'Ont. plum jam, prepared by Paquet & Paquet, Montreal.'

JAM—JUNE, 1905.

Benzoic acid..	Present ..	Genuine, but contains benzoic acid, and is dyed. Labelled 'Raspberry jam, absolute purity, pure gold.'
None.....	Present ..	Marked 'Absolutely pure, compound.' Contains about 25 per cent glucose, and is dyed. Labelled 'Graham's Lily brand raspberry jam, pure compound, Canning and Preserving Co., Hamilton.'
None.....	Present ..	Contains about 25 per cent glucose, and is dyed. Labelled 'Raspberry jam, The McCormick Mfg. Company, London, Canada'
Salicylic acid..	Doubtful ..	Contains about 40 per cent glucose and a preservative. Labelled 'Castle brand choice jams and jellies, prepared by J. W. Windsor, Montreal.'
None.....	Present ..	Contains about 50 per cent glucose, and is dyed. No label.
None.....	None.....	Genuine. Labelled 'Bishop & Co. raspberry jam.'
None.....	Present ..	Marked 'Pure fruit, compound.' Contains about 15 per cent glucose, and is dyed. Labelled 'Raspberry jam, Upton's jams, pure fruit, compound.'
None.....	None.....	Contains about 30 per cent glucose. No label.
None.....	None.....	Contains nearly 55 per cent glucose. Labelled 'Ont. raspberry jam, prepared by Paquet & Paquet, Montreal.'
None.....	Present ..	Contains about 20 per cent glucose, and is dyed. No label.
None.....	Present ..	Contains about 50 per cent glucose, and is dyed. Labelled 'Raspberry, pure fruit jam, preserved by Standard Canning Co., Hamilton.'
None.....	Present ..	Marked 'Pure fruit, compound.' Contains about 25 per cent glucose, and a dye. Labelled 'Pure fruit, raspberry, compound, Standard Canning Co., Hamilton.'
None.....	Doubtful ..	Genuine. Labelled 'E. D. Smith's raspberry preserves, fruit farms, Winona, Ont.'
None.....	Present ..	Genuine fruit and sugar, but is dyed. No label.
Salicylic acid..	None.....	Genuine. Containing a preservative. Labelled 'McGregor (trade mark) preserves, Toronto, Ont.'



5-6 EDWARD VII., A. 1906

TABLE VI.—STRAWBERRY

Serial Number.	Collector's Number.	SOLIDS, PER CENT.			Water.	SACCHARIMETER READING— NORMAL WEIGHT IN 100CC.			Residual Cane Sugar. (Clerget.)	Soluble Matter other than Cane Sugar.
		In-soluble.	Soluble.	Total.		Direct.	Invert.	Difference.		
45	22284	9.22	46.5	55.7	44.3	+26.7	+14.6	12.1	9.0	37.5
46	24008	1.10	68.4	69.5	30.5	+45.1	+27.9	17.2	12.8	55.6
47	24685	2.85	35.5	38.4	61.6	- 2.6	-11.8	14.4	10.7	24.8
48	24688	2.81	21.5	24.3	75.7	4.3	6.0	1.7	1.3	20.2
49	24989	1.16	68.1	69.3	30.7	+91.8	-76.2	15.6	11.6	56.5
50	25284	3.54	56.0	59.5	40.5	+105.7	+92.4	13.3	9.9	46.1
51	25293	1.14	48.8	49.9	50.1	+68.5	-58.9	9.6	7.1	41.7
52	26010	8.30	57.8	66.1	33.9	+69.5	+46.8	22.7	17.0	40.8
53	26011	4.60	59.3	63.9	36.1	+97.1	+90.8	6.3	4.7	54.6
54	26564	0.86	53.2	53.6	46.4	+24.7	+12.0	12.7	9.5	43.7
55	26572	0.98	45.2	46.2	53.8	+76.5	+70.5	6.0	4.4	40.8
56	26578	3.56	69.2	72.8	27.2	+34.6	-15.2	49.8	37.2	32.0



SESSIONAL PAPER No. 14

JAM, JUNE, 1905.

Preservatives.	Dyes.	Remarks.
Benzoic acid..	Present...	Contains about 15 per cent glucose; a preservative and a dye. Labelled 'Strawberry Jam,' J. Hungerford Smith Co., Ltd., Toronto.
None . . . . .	None.....	Contains about 25 per cent glucose. Labelled 'Upton's Strawberry Jam.'
" . . . . .	" . . . . .	Genuine. No label.
" . . . . .	" . . . . .	Genuine. Is preserved with a minimum of sugar. Labelled 'Strawberry Jam,' K. B. Morden & S. Hagerman, Belleville, Ont.
Salicylic acid .	" . . . . .	Contains about 50 per cent of glucose and a preservative. Labelled 'Ice Castle Brand,' Choice Jams and Jellies, J. Windsor, Montreal.
None.....	" . . . . .	Contains about 50 per cent glucose. Labelled 'Strawberry, Queen City Brand Jam and Jelly,' 224 Dorchester St. Quebec.
Salicylic acid .	Present...	Contains about 40 per cent glucose; a preservative and a dye. Labelled 'Strawberry Homemade Jam,' packed from selected fruit, Paquet & Co., Mont'l.
None.....	" . . . . .	Contains about 30 per cent glucose and is dyed. No label.
" . . . . .	None....	Marked 'Compound.' Contains about 50 per cent of glucose. Fig seeds are present.
" . . . . .	Present...	Contains about 15 per cent glucose and is dyed. Labelled 'Strawberry Pure Fruit Jam,' Standard Canning Co., Hamilton.
" . . . . .	" . . . . .	Marked 'Pure' and 'Compound.' Contains about 40 per cent of glucose and is dyed. Labelled 'Graham's Lily Brand Strawberry,' absolutely pure compound, Hamilton.
" . . . . .	" . . . . .	Genuine fruit and sugar. Is dyed. Labelled 'Lipton's Strawberry Jam,' M. F. Lipton, Ltd., London.



5-6 EDWARD VII., A. 1906

TABLE VII.—MARMALADES

Serial Number.	Collector's Number.	SOLIDS, PER CENT.			Water.	POLARIMETER READINGS— NORMAL WEIGHT IN 100CC.			Residual Cane Sugar. (Clerget.)	Soluble Matter other than Cane Sugar.
		In-soluble.	Soluble.	Total.		Direct.	Invert.	Difference.		
1	20290	1·8	61·7	63·5	36·5	+15·6	-18·3	33·9	25·3	36·4
2	20293	1·7	70·0	71·7	28·3	+28·2	-21·0	49·2	36·7	33·3
3	20294	1·7	64·0	65·7	34·3	+60·0	+18·5	41·5	30·9	33·1
4	21795	2·1	70·0	72·1	27·9	+21·6	-19·0	40·6	30·3	39·7
5	22286	2·3	72·0	74·3	25·7	+84·9	+28·6	56·3	42·0	30·0
6	22288	0·9	72·0	72·9	27·1	+94·1	+45·7	48·4	36·1	35·9
7	22291	1·6	68·0	69·6	30·4	+67·6	+26·7	40·9	30·5	37·5
8	23971	1·2	74·0	75·2	24·8	+65·8	+45·4	20·4	15·2	58·8
9	24001	2·3	70·0	72·3	27·7	+29·5	-10·4	39·9	29·8	40·2
10	24426	1·2	60·0	61·2	38·8	+43·3	+38·1	5·2	3·8	56·2
11	24429	2·0	68·0	70·0	30·0	+59·4	+25·6	33·8	25·2	42·8
12	24432	0·5	56·0	56·5	43·5	+6·9	-14·5	21·4	16·0	40·0
13	24690	0·8	68·0	68·8	31·2	+22·7	+8·5	14·2	10·2	57·8
14	24692	2·1	66·8	68·9	31·1	+71·0	+24·8	46·2	34·4	32·4
15	24987	0·7	65·8	66·5	33·5	+21·8	+20·8	1·0	0·7	65·1
16	25282	.....	.....	.....	.....	+41·6	-20·9	62·6	46·6	.....
17	25286	.....	.....	.....	.....	+10·4	-17·2	27·6	20·6	.....
18	25287	1·7	63·7	65·4	34·6	+27·4	-18·0	45·4	33·8	29·9
19	26014	3·2	65·0	68·2	31·8	+49·1	+11·8	37·3	28·0	37·0
20	26015	3·4	53·2	56·6	43·4	+3·3	-19·3	22·6	17·0	36·2
21	26016	1·1	62·6	63·7	36·3	+0·4	-20·1	20·5	16·0	46·6
22	26017	2·0	62·7	64·7	35·3	+20·3	-20·8	41·4	30·7	32·0
23	26559	1·2	68·7	69·9	30·1	+76·9	+29·0	47·9	35·7	33·0
24	26570	1·3	67·4	68·7	31·3	+99·6	+61·0	38·6	28·6	38·8
25	26574	4·0	68·2	72·2	27·8	6·9	-13·7	6·8	5·0	63·2
26	26577	2·9	61·6	63·6	36·4	+8·7	-15·2	23·9	1·8	59·8
27	I.	1·6	64·0	65·6	34·4	+36·0	+8·8	27·2	20·3	43·7
28	II.	1·5	58·5	60·0	40·0	+19·0	9·4	28·4	21·1	37·4
29	III.	1·3	65·5	66·8	33·2	+40·5	-15·4	55·9	41·7	23·8



SESSIONAL PAPER No. 14

JUNE, 1905.

Preservatives.	Dyes.	Remarks.
None.....	None.....	Genuine. Labelled 'McGregor (trade mark) Marmalade,' Toronto.
" .....	" .....	Genuine. Labelled 'James Keiller & Son, Ltd., Dundee Marmalade,' Burns & Harris, Great Britain.
" .....	" .....	Contains about 20 p.c. glucose. Labelled 'Dundee Upton's Orange Marmalade.'
" .....	" .....	Genuine. 'James Keiller & Sons Dundee Marmalade.'
" .....	" .....	Contains about 25-30 per cent glucose. Upton's Orange Marmalade, Pure Fruit Compound.
" .....	" .....	Contains about 35 per cent glucose. Graham Lily Brand Marmalade, Absolutely pure, Canning and Preserving Co.
" .....	" .....	Contains about 35 per cent glucose. Upton's Orange Marmalade, Compound.
" .....	Present ..	Contains about 40 per cent glucose and is dyed. Orange Marmalade, Trade Mark, 'Sterling,' T. A. Lytle & Co., Toronto.
" .....	None.....	Contains about 10 per cent glucose. Lipton's Orange Marmalade. Lipton's, Ltd., Preserve Works, London, England
" .....	Present ..	Contains about 35 per cent glucose and a dye. Orange Marmalade Sterling Brand. T. A. Lytle & Co., Toronto.
" .....	None....	Contains about 20-25 per cent glucose. Upton's Orange Marmalade.
" .....	" .....	Genuine. Balmoral Marmalade, Toronto.
Salicylic acid..	" .....	Contains about 10 per cent glucose and a preservative. Lime Fruit Marmalade.
None.....	" .....	Contains about 20-25 per cent glucose. Orange Marmalade.
" .....	" .....	Contains at least 25 per cent glucose. Balmoral Marmalade, Toronto.
" .....	" .....	Genuine. 'Mrs. Luke's Delicious Homemade Grape Fruit Marmalade.'
" .....	" .....	Genuine. 'Mrs. Luke's Delicious Homemade Marmalade.'
" .....	" .....	Genuine. Currie's Homemade Marmalade.
" .....	" .....	Contains about 20 per cent glucose. Upton's Orange Marmalade, Compound.
" .....	Present ..	Genuine but contains a dye. Orange Marmalade Sterling Brand. T. A. Lytle & Co., Toronto.
" .....	None.....	Genuine. Shirreff's Shredded Orange Marmalade, Toronto.
" .....	" .....	Genuine. Shirreff's Imperial Scotch Marmalade, Toronto.
" .....	" .....	Contains about 30 per cent glucose. Graham's Lily Brand Orange Marmalade, Compound, Canning and Preserving Co., Hamilton.
" .....	" .....	Contains about 35-40 per cent glucose. Graham's Lily Brand Marmalade, Canning and Preserving Co., Hamilton.
" .....	" .....	Genuine. McLaughlin's Hygeia Marmalade, Toronto.
" .....	" .....	Genuine Marmalade.
" .....	" .....	Contains about 10 per cent glucose.
" .....	" .....	Contains a little glucose.
" .....	" .....	Genuine.



5-6 EDWARD VII., A. 1906

TABLE VIII.—FRUIT

Serial Number.	Collector's Number.	Description.	Dry Solids.	Water.	SACCHARIMETER READING— NORMAL WEIGHT TO 100CC.			Residual Cane Sugar. (Clerget.)	Non-Cane Sugar Solids.
					Direct.	Invert.	Difference.		
1	23,969	Red Currant. ....	58·3	41·7	-25·0	-19·4	44·4	33·0	25·3
2	23,970	" .....	56·7	43·3	-2·8	-18·7	15·9	11·9	44·8
3	23,973	" .....	62·6	37·4	+5·9	-18·0	23·9	17·5	45·1
4	24,984	" .....	69·7	30·3	-84·9	+52·1	32·8	24·2	45·5
5	26,561	" .....	64·3	35·7	13·0	-22·5	35·5	26·5	37·8
6	26,576	" .....	62·6	37·4	-2·6	-14·9	12·3	9·1	53·5
7	24,012	Apple .....	53·9	46·1	-8·1	-26·6	34·7	26·0	27·9
8	25,288	" .....	58·9	41·1	-6·9	-15·9	22·8	16·7	42·2
9	23,900	Grape .....	54·1	45·9	-10·9	-20·1	9·2	6·9	47·2
10	21,797	Strawberry .....	65·2	34·8	+25·1	5·4	19·7	14·6	50·6
11	24,985	" .....	67·8	32·2	67·4	+37·3	30·1	22·5	45·3
12	26,557	" .....	63·2	36·8	+11·4	-11·8	23·2	17·3	45·9
13	23,972	Raspberry .....	66·4	33·6	+131·0	+118·4	12·6	9·4	57·0
14	26,557	" .....	63·9	36·1	+20·6	-8·0	28·6	21·3	42·6



SESSIONAL PAPER No. 14

JELLY, JUNE, 1905.

Preservatives.	Dyes.	Remarks.
None.....	Present..	Genuine, but contains a dye. Pure Jelly, Red Currant, Canada Biscuit Co., Ltd.
".....	None.....	Genuine. E. D. Smith's Red Currant Jelly. Fruit Farms, Winona.
".....	".....	Genuine. Suffolk Jams, Jellies. Macouchie Bros., London, England.
Salicylic acid..	Present..	Contains about 40 per cent glucose, a preservative and a dye. Currant Jelly.
None.....	".....	Genuine, but contains a dye. Red Currant Jelly. Sterling Brand. T. A. Lytle & Co., Toronto.
".....	".....	Genuine, but contains a dye. Red Currant. Absolute purity. Pure gold.
".....	None.....	Genuine. Apple Jelly.
".....	".....	Genuine. Apple Jelly.
".....	".....	Genuine. E. D. Smith's Grape Jelly. Fruit Farm. Winona, Ont.
".....	Present..	Contains about 10 per cent glucose and a dye. Canada First Strawberry Jelly, Aylmer Canning Co., Hamilton.
Salicylic acid..	None.....	Contains about 30 per cent glucose and a preservative, and labelled Strawberry Jelly, Victoria Cross. The W. H. Malkin Co., Ltd., Vancouver.
None.....	Present..	Contains a little glucose and a dye. Canada First. Red Raspberry Jelly. Aylmer Canning Co., Hamilton.
Salicylic acid..	".....	Contains fully 50 per cent glucose, a preservative and a dye.
None.....	".....	Contains a little glucose and is artificially dyed. Canada First. Red Raspberry Jelly. Aylmer Canning Co., Hamilton.



APPENDIX I.

BULLETIN No. 105—FERTILIZERS AS SOLD.

W. J. GERALD, Esq.,  
Deputy Minister of Inland Revenue Department.

OTTAWA, August 19, 1905.

DEAR SIR,—I have the honour to present you the results of analysis of 88 samples of Fertilizers, purchased in the open market during the months of April, May and June of this year.

This procedure is in accordance with the terms of Section 5 of the Fertilizers Act, which requires not only that manufacturers, importers or vendors shall furnish standard samples of the brands which they propose to place on the market, but that such action shall not limit the right of the inspector to procure samples for analysis, in accordance with the subsequent provisions of the Act.

The samples now reported may be classified as follows :—

District.	Total inspected.	Genuine.	Below guarantee.	Not registered.	Doubtful.
Nova Scotia.....	7	4	0	3	0
Prince Edward Island.....	2	1	0	1	0
New Brunswick.....	7	4	2	1	0
Quebec.....	7	7	0	0	0
St. Hyacinthe.....	10	3	3	2	2
Montreal.....	15	10	4	0	1
Kingston.....	10	6	0	4	0
Toronto.....	12	7	1	3	1
London.....	10	3	0	7	0
British Columbia.....	8	5	0	3	0
Total.....	88	50	10	24	4

The samples whose analysis is now reported, should be directly comparable with one or other of the brands registered in Bulletin 101. Much difficulty has been found in identifying the samples purchased, and the inspectors have in many cases, been uncertain as to identity. Hence it comes that four (4) samples are marked ‘doubtful,’ and it is quite possible that some of the samples classed as ‘not registered’ may owe this to imperfect description.

I would suggest that manufacturers and importers, be required to distinguish each brand by a perfectly distinctive name (as is already done by many manufacturers) and that the brand so distinguished should be always sold under its proper name. Such names as ‘Potato fertilizer’ ‘Bone meal’ ‘Lawn fertilizer,’ etc., are too general and permit of much error in comparison with standards. It would also be well, that in buying samples on the open market, the inspector should carry with him a copy of the list of



## SESSIONAL PAPER No. 14

standard fertilizers registered for the year, and require each vendor to identify the sample sold by him, with a registered brand; failing which, the sample sold by him would of course, fall into the class of unregistered fertilizers.

I beg to recommend that this report be published as Bulletin 105.

I have the honour to be, sir, your obedient servant,

A. MCGILL,  
*Acting Chief Analyst.*



5-6 EDWARD VII., A. 1906

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Nova Scotia— R. J. Waugh, Inspector.</i>					
April 25	Potato Manure .....	20485	Capt. C. O. Allen, Kentville, N.S.	Pidgeon Fertilizer Co., Windsor, N.S.	As sold..... As guaranteed..... Standard sample (1710)
" 25	Orchard Fertilizer....	20486	" " "	" " "	As sold..... As guaranteed..... Standard sample (1712)
" 26	Swift's Animal Brand for all crops.	20489	R. E. Harris, Wolfville, N.S.	Swift's Lowell Co., Boston, Mass.	As sold..... As guaranteed..... Standard sample (1677)
" 26	Potato and Vegetable Phosphate.	20491	F. W. Woodman, Wolfville, N.S.	Bowker, Boston, Mass.	As sold..... As guaranteed..... Standard sample (1680)
" 26	Hill and Drill Phosphate	20492	" " "	" " "	As sold..... As guaranteed..... Standard sample .....
" 27	Blood, Bone and Potash Fertilizer.	20494	F. W. Dimock, Windsor, N.S.	Nova Scotia Fertilizer Co., Halifax, N.S.	As sold..... As guaranteed..... Standard sample (1691)
" 27	Ceres Brand.....	20495	" " "	" " "	As sold... .. As guaranteed... .. Standard sample (1693)
<i>District of P. E. Island— T. Moore, Inspector.</i>					
May 3..	Bowker's Bone and Potash Square Brand.	24424	F. W. Strong, Summerside, P.E.I.	Bowker Mfg. Co., New York.	As sold. .... As guaranteed ..... Standard sample ..
" 3..	Swift's Lowell Animal Brand.	24428	J. D. Schurman, Kensington, P. E. I.	Swift's Lowell Fertilizer Co., Boston.	As sold..... As guaranteed..... Standard sample (1677)
<i>District of New Brunswick—J. C. Ferguson, Inspector.</i>					
April 19	Fertilizer. ....	23891	Mfr .....	Thos. Reid, Parish of Simonds, St. John County, N.B.	As sold..... As guaranteed..... Standard sample (1645)
" 26	Swift's Potato Phosphate	23894	Sussex Mercantile Co., Sussex, N.B.	New England Fertilizer Co., Boston, Mass.	As sold..... As guaranteed..... Standard sample (1676)
" 27	Potato Special . . . . .	23897	Toombs & Son, Main st., Moncton.	The American Agrl. Chemical Co.	As sold..... As guaranteed... .. Standard sample (1669)
May 9	Climax Phosphate. ....	24002	F. M. Murchie, King street, St. Stephen.	" "	As sold... .. As guaranteed..... Standard sample (1664)
" 11	Potato and Vegetable Phosphate.	24004	A. R. Hallet, Grand Falls station.	Bowker Fertilizer Co., Boston, Mass.	As sold..... As guaranteed Standard sample . . .







5-6 EDWARD VII., A. 1906

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
	<i>District of New Brunswick—Con.</i>				
May 12	Great Eastern Grass and Oats.	24006	Solomon Perley, Woodstock, N.B.	The American Agrl. Co., New York.	As sold..... As guaranteed..... Standard sample (1625)
" 15	Special Potato Phosphate <i>District of Quebec—Geo. Mulrooney, Inspector.</i>	24009	James A. Bell, Fredericton.	Provincial Chemical Fertilizer Co., St. John, N.B.	As sold... .. As guaranteed..... Standard sample (1687)
June 12	Victor.....	25401	J. B. Renaud, St. Paul st., Quebec.	Capelton Chemical Co., Buckingham.	As sold. .... As guaranteed..... Standard sample (1608)
" 12	" . . . . .	25402	P. T. Legare, St. Paul st., Quebec.	Nichols Chemical Co. Capelton.	As sold. .... As guaranteed... .. Standard sample (1608)
" 12	No. 1.....	25403	" "	Capelton Chemical Co.	As sold..... As guaranteed..... Standard sample (1605)
" 12	Capelton . . . . .	25404	" "	" "	As sold..... As guaranteed... .. Standard sample (1610)
" 12	Sure Growth.....	25405	Eug. Julien, St. Sauveur.	Freeman Fertilizer Co.	As sold..... As guaranteed..... Standard sample (1630)
" 12	Tobacco Manure.. . . .	25406	" "	" "	As sold... .. As guaranteed..... Standard sample (1636)
" 12	Thomas Phosphate ....	25407	" "	Imported. ....	As sold..... As guaranteed..... Standard sample (1629)
	<i>District of St. Hyacinthe—J.C. Rouleau, Inspector.</i>				
April 25	Bradley's Fertilizer.....	24675	A. McLeay & Kiddle Bros.	Bradley Fertilizer Co., Boston, Mass.	As sold..... As guaranteed..... Standard sample (1652)
" 26	Victor . . . . .	24676	L. E. Thibault, Plessisville.	The Chemical Co. of Canada, Capelton, Que.	As sold . . . . . As guaranteed..... Standard sample (1608)
" 26	" . . . . .	24677	G. P. Nadeau, Stanfold.	" "	As sold..... As guaranteed..... Standard sample (1608)
" 26	Blood, Bone and Potash Fertilizer.	24678	F. Allard, Stanfold	Provincial Chemical Fertilizer Co., St. John, N.B.	As sold..... As guaranteed..... Standard sample (1691)
" 26	Potato Fertilizer.. . . .	24679	Nolin & Roux, Stanfold.	Bowker Fertilizer Co., Boston.	As sold... .. As guaranteed . . . . . Standard sample (1647)
" 27	Read's Practical Potato Special.	24680	H. C. Baldwin, Dixville Road, Coaticoke.	The American Agricultural Chemical Co., New York.	As sold . . . . . As guaranteed..... Standard sample (1669)
" 28	Pacific Nobisque Guano.	24681	" "	" "	As sold..... As guaranteed..... Standard sample (1661)
" 28	Bradley's Alkaline Bone with Potash.	24682	" "	" "	As sold..... As guaranteed..... Standard sample (1663)



SESSIONAL PAPER No. 14

Samples as sold in 1905--Continued.

RESULTS OF ANALYSIS.										Relative value per ton, 2,000 lbs.	Analyst.	Remarks.	No. of Sample.				
Nitrogen.		Phosphoric Acid.					Potash.	Moisture.									
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.											
														p.c.	p.c.	p.c.	p.c.
0.14	0.17	7.15	3.81	2.14	13.10	10.96	1.93	12.46	15.38	M. Bowman	Unadulterated.....	24006					
Tr.	Tr.	11.00	.....	1.00	.....	.....	2.00	.....	.....	"	Up to guarantee.....	24009					
1.46	1.77	6.71	.....	2.23	13.11	10.88	3.03	14.36	12.34								
2.24	2.50	6.14	3.50	3.63	13.28	9.64	3.53	10.06	20.80								
2.24	2.72	7.99	1.61	5.11	14.71	9.60	8.14	7.44	28.64								
2.52	3.06	5.55	1.90	6.42	13.87	7.45	2.29	9.45	21.52	J. T. Donald	Up to guarantee.....	25401					
2.59	2.00	.....	.....	.....	.....	7.00	3.00	.....	.....	"	According to guarantee....	25402					
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49								
2.03	2.46	3.55	2.41	4.50	10.46	5.96	2.26	11.68	17.43								
2.59	2.00	.....	.....	.....	.....	7.00	3.00	.....	.....	"	Genuine.....	25403					
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49								
0.91	1.10	5.07	3.02	8.03	16.12	8.09	0.42	8.76	15.31								
0.35	0.42	9.75	2.72	5.43	17.90	12.47	.....	11.08	16.32	"	According to guarantee....	25404					
1.19	1.45	5.47	1.83	7.66	14.96	7.30	0.13	11.06	12.18								
3.18	3.86	.....	.....	.....	.....	8.00	.....	.....	.....								
2.94	3.57	5.91	0.39	6.23	12.53	6.30	.....	12.32	13.44	"	According to guarantee....	25405					
4.62	5.61	4.63	4.73	4.48	13.24	8.76	1.99	12.48	24.17								
4.90	5.95	.....	.....	.....	8.00	.....	3.00	.....	.....								
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	"	According to guarantee....	25406					
4.62	5.61	3.38	3.51	3.37	10.26	6.89	6.27	12.54	30.89								
4.90	5.95	.....	.....	.....	7.00	.....	7.00	.....	.....								
1.82	2.21	5.76	2.71	4.80	13.27	8.47	6.40	13.96	34.39	"	Genuine.....	25407					
1.86	2.26	.....	11.61	5.31	16.92	.....	0.09	14.36	.....								
1.06	1.29	.....	.....	.....	17.00	.....	.....	.....	.....								
1.03	1.25	14.14	3.00	17.14	14.14	.....	.....	17.65	.....	"	The name under which sold is not sufficiently explicit for certain identification.	24675					
1.33	1.61	7.52	0.88	2.67	11.07	8.40	2.44	12.32	17.62								
1.65	2.01	6.00	2.00	2.00	10.00	8.00	2.00	.....	.....								
2.59	3.15	3.84	3.20	3.64	10.68	7.04	1.89	13.85	15.63	"	Below guarantee in available phosporic acid.	24676					
1.86	2.01	4.75	0.02	4.78	9.55	4.77	2.52	10.42	15.29								
2.59	2.00	.....	.....	.....	7.00	3.00	.....	.....	.....								
1.86	2.26	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	"	Slightly below guarantee in available phosphoric acid.	24677					
2.59	3.15	5.71	0.21	3.98	9.90	5.92	3.08	11.81	17.67								
2.59	3.15	.....	.....	.....	7.00	3.00	.....	.....	.....								
1.42	1.73	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	"	Slightly below guarantee in potash.	24678					
1.82	2.21	6.65	0.66	4.25	11.56	7.31	2.94	12.57	17.73								
0.95	1.16	.....	.....	.....	7.00	4.00	.....	.....	.....								
2.06	2.50	7.99	1.61	4.79	14.39	9.60	4.88	8.44	23.86	"	Not sufficiently described to permit of certain identification with standard.	24679					
1.40	1.70	4.48	2.91	1.20	8.59	7.39	5.08	8.51	17.24								
0.96	1.16	5.00	3.00	2.00	10.00	8.00	3.00	.....	.....								
0.82	1.00	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52	"	Above guarantee in every respect.	24680					
0.70	0.85	4.29	2.56	2.58	8.43	5.85	8.36	10.01	20.34								
1.56	1.89	2.00	1.00	5.00	4.00	8.00	.....	.....	.....								
1.03	1.25	3.52	2.69	2.55	8.76	6.21	7.14	12.90	17.47	"	Genuine.....	24681					
1.54	1.87	3.65	2.54	2.69	8.88	6.19	2.01	16.30	15.28								
0.42	0.51	6.00	2.00	2.00	10.00	8.00	2.00	.....	.....								
0.28	0.34	4.79	3.21	3.19	11.19	8.00	1.91	14.04	17.38	"	Up to guarantee ..	24682					
0.28	0.34	4.84	5.51	2.66	13.01	10.35	1.85	13.93	15.92								
0.28	0.34	6.00	5.00	1.00	12.00	11.00	2.00	.....	.....								



5-6 EDWARD VII.. A. 1906

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
	<i>District of St. Hyacinthe—</i> Con.				
May	3 Sure Crop Fertilizer. . . .	24683	C. M. Chappel, St. Alexander.	Bowker Fertilizer Co., Boston.	As sold..... As guaranteed..... Standard sample.....
"	3'6% Potato Fertilizer.....	24694	A. J. Gosselin, St. Alexander.	" ..	As sold..... As guaranteed..... Standard sample . . .
	<i>District of Montreal—J.</i> <i>J. Costigan, Inspector.</i>				
"	8 Standard . . . . .	25216	Brodie & Harvie, 7 Bleury st., Montreal.	Standard Fertilizer Chemical Co., Smith's Falls.	As sold..... As guaranteed..... Standard sample (1640)
"	8 Special . . . . .	25217	" ..	" ..	As sold..... As guaranteed..... Standard sample (1639)
"	9 Bone and Potash. . . .	25218	Wm. Ewing & Co., McGill St.	W. A. Freeman Co., Hamilton.	As sold..... As guaranteed..... Standard sample (1631)
"	9 Lawn Fertilizer . . . .	25219	" ..	" ..	As sold..... As guaranteed..... Standard sample (1630)
"	9 Bone Meal.....	25220	" ..	" ..	As sold . . . . . As guaranteed..... Standard sample (1637)
"	9 Celery and Vegetable. . .	25221	" ..	" ..	As sold..... As guaranteed . . . . . Standard sample (1632)
"	9 Tankage.....	25222	" ..	" ..	As sold..... As guaranteed..... Standard sample (1635)
"	9 Sure Growth.....	25223	" ..	" ..	As sold. . . . . As guaranteed . . . . . Standard sample (1630)
"	10 No 1 Fertilizer. . . . .	25224	R. J. Latimer & Co., St. Antoine st., Montreal.	Capelton Chemical Fertilizer Co., Buckingham.	As sold..... As guaranteed... .. Standard sample (1605)
"	10 Royal Canadian.....	25225	" ..	Nichols Chemical Co	As sold. . . . . As guaranteed..... Standard sample (1607)
"	10 Victor . . . . .	25226	" ..	" ..	As sold. . . . . As guaranteed . . . . . Standard sample (1608)
June	30 Fertilizer... ..	25227	Laing Packing & Provision Co., Montreal.	Laing Packing & Provision Co., Montreal.	As sold..... As guaranteed..... Standard sample (1612)
"	13 Fertilizer, Eclipse Brand.	25408	R. F. McKee, Richmond, P.Q.	American Agricultural Chemical Co.	As sold..... As guaranteed..... Standard sample (1651)
"	13 Potato Fertilizer.....	25409	Kerr & Foss, Sherbrooke, P.Q.	" ..	As sold . . . . . As guaranteed..... Standard sample (1647)
"	13 Eclipse Brand . . . . .	25410	" ..	" ..	As sold..... As guaranteed..... Standard sample (1651)



## SESSIONAL PAPER No. 14

Samples as sold in 1905—*Continued.*

RESULTS OF ANALYSIS.										Relative value per ton, 2,000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.						Potash.	Moisture.				
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	§ cts.				
1.17	1.42	3.20	3.45	3.32	9.97	6.65	2.15	18.38	14.74	J. T. Donald	Brand not registered . . . . .	24683	
1.29	1.56	5.35	2.39	1.27	9.01	7.74	2.42	9.58	16.22	"	"	24694	
2.41	2.93	7.84	2.15	3.19	13.18	9.99	1.92	10.97	22.84	"	.. According to guarantee....	25216	
2.73	3.31	6.90	2.37	3.39	12.66	9.27	2.10	9.08	23.22	"	"	25217	
2.91	3.54	0.71	8.67	3.04	12.42	9.38	6.28	9.18	27.46	"	"	25218	
3.29	3.99	7.54	1.93	2.55	12.02	9.47	7.25	12.36	30.37	"	"	25219	
2.57	3.12	0.29	7.75	4.68	12.72	8.04	5.57	5.80	24.53	"	"	25220	
2.59	3.14	4.48	2.88	6.52	13.88	7.36	4.98	15.60	24.78	"	.. Is imperfectly described so as to make identification doubtful. Appears to be low in potash.	25221	
2.12	2.57	0.93	9.74	3.57	14.24	10.67	1.74	12.42	21.82	"	"	25222	
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	"	"	25223	
2.39	2.91	10.59	12.21	22.80	10.59	10.04	23.43			"	.. Genuine .....	25224	
4.10	4.98	17.58	5.44	23.02	17.58	5.56	34.09			"	.. Above guarantee in phosphoric acid, but below guarantee in ammonia and potash.	25225	
3.73	4.53	6.84	2.96	3.98	13.78	9.80	3.94	10.66	29.28	"	"	25226	
5.04	6.12	5.12	3.04	4.31	12.47	8.16	5.14	13.64	33.04	"	"	25227	
7.33	8.90	0.11	10.28	2.98	13.37	10.39	0.45	10.97	37.71	"	"	25228	
7.11	8.63	13.74	2.72	16.46	13.74	7.20	38.68			"	"	25229	
3.52	4.27	5.63	3.15	4.13	12.91	8.78	3.30	16.25	26.70	"	.. Above guarantee in phosphoric acid, ammonia and potash.	25230	
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24.18	"	"	25231	
0.51	0.62	4.44	2.41	7.49	14.34	6.85	0.31	7.41	12.25	"	.. Low in available phosphoric acid.	25232	
1.70	1.99	3.78	0.97	7.04	11.79	4.75	1.26	10.98	14.74	"	.. Far below guarantee in available phosphoric acid, ammonia and potash.	25233	
4.55	5.52	8.63	1.77	3.67	14.07	10.40	6.34	6.52	28.83	"	"	25234	
1.77	2.15	3.51	1.48	6.91	11.90	4.99	1.18	9.31	14.21	"	.. Below guarantee in available phosphoric acid and potash.	25235	
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23.49	"	"	25236	
9.73	11.81	5.14	0.76	5.90	5.14	7.70	38.95			"	.. Genuine .....	25237	
7.30	8.86	11.20	1.53	12.79	11.20	9.16	32.51			"	"	25238	
6.16	7.38	2.71	2.73	10.46	7.73	1.97	11.33	16.06		"	.. According to guarantee...	25408	
1.26	1.53	6.00	2.00	2.00	10.00	8.00	2.00			"	"	25409	
1.03	1.25	4.48	2.44	3.51	10.43	6.92	2.41	14.10	16.42	"	"	25410	
1.44	1.75	3.63	3.98	2.34	9.95	7.61	2.13	8.57	18.92	"	"	25411	
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00			"	"	25412	
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18.52	"	"	25413	
1.12	1.36	4.99	3.06	1.67	9.72	8.05	2.15	18.41	15.79	"	"	25414	
1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00			"	"	25415	
1.44	1.75	4.48	2.44	3.51	10.43	6.92	2.41	14.10	16.42	"	"	25416	



5-6 EDWARD VII., A. 1906

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of Kingston— J. J. Costigan, Inspector.</i>					
April 28	Victor.....	25240	Jas. Truesdell, Brockville, Ont.	Nichols' Chemical Co.	As sold..... As guaranteed..... Standard sample (1608)
" 28	Corn Special.....	25241	H. Brown & Son, Brockville.	" "	As sold..... As guaranteed..... Standard sample.....
" 28	Standard.....	25242	J. D. Mills, Pres- cott, Ont.	Read Fertilizer Co..	As sold..... As guaranteed..... Standard sample (1655)
" 28	Vegetable and Vim.....	25243	J. D. Mills, Pres- cott, Ont.	" "	As sold..... As guaranteed..... Standard sample.....
" 28	Potato Special....	25244	J. D. Mills, Pres- cott, Ont.	" "	As sold..... As guaranteed..... Standard sample (1669)
" 28	Corn Special.....	25245	A. Smaids, Pres- cott, Ont.	Nichols' Chemical Co.	As sold..... As guaranteed..... Standard sample.....
" 28	Victor.....	25246	A. Smaids, Pres- cott, Ont.	" "	As sold..... As guaranteed..... Standard sample (1608)
" 28	Special.....	25247	A. Smaids, Pres- cott, Ont.	" "	As sold..... As guaranteed..... Standard sample.....
" 28	No. 1.....	25248	A. Templeton, Ox- ford Mills.	" "	As sold..... As guaranteed..... Standard sample (1605)
" 28	Potato Fertilizer, Brad- leys.	25249	Robert Palt on, Bishop's Mills.	American Agricul- tural Chemical Co.	As sold..... As guaranteed..... Standard sample (1647)
<i>District of Toronto— J. J. Costigan, Inspector.</i>					
May 2	Potato Manure.....	25267	Rufus R. Gage, St. Catharines.	Freeman's, Hamilton	As sold... .. As guaranteed..... Standard sample (1634)
" 2	Peruvian Guano.....	25268	Rufus R. Gage, St. Catharines.	Edmond Mortimer Co., New York.	As sold... .. As guaranteed..... Standard sample.....
" 2	Complete Manure.....	25269	Tiltington Co., St. Catharines.	American Agricul- tural Chemical Co.	As sold..... As guaranteed..... Standard sample (1654)
" 2	B. D. Seafowl Guano ..	25270	Tiltington Co., St. Catharines.	" "	As sold..... As guaranteed..... Standard sample (1686)
" 2	Potato Fertilizer.....	25271	Tiltington Co., St. Catharines.	" "	As sold... .. As guaranteed..... Standard sample (1647)
" 3	Ground Bone... ..	25272	A. St. C. Fisher. Queenston, Ont.	" "	As sold..... As guaranteed..... Standard sample (1650)
" 3	Crokers' Wheat and Corn	25273	A. St. C. Fisher.	" "	As sold... .. As guaranteed..... Standard sample (1684)



SESSIONAL PAPER No. 14

Samples as sold in 1905—Continued.

RESULTS OF ANALYSIS.										Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.					Potash.	Moisture.	Relative value per ton, 2000 lbs.			
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.						
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.						
1.57	1.91	4.00	1.75	6.50	12.25	5.75	2.22	10.72	16 24	W. H. Ellis and A. Lemoine.	Genuine. . . . .	25240
2.59	2.00					7.00	3.00					
0.76	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23 49	W. H. Ellis.	Not registered . . . . .	25241
	0.92	2.25	2.55	3.85	8.65	4.80	5.45	12.32	14 68			
1.13	1.38	4.35	4.85	1.50	10.70	9.20	3.75	16.27	18 61	"	Genuine. . . . .	25242
0.82	1.00	5.00	3.00	2.00	10.00	8.00	4.00					
1.12	1.36	4.93	2.82	2.68	10.43	7.75	3.77	9.65	17 40	"	Not registered. . . . .	25243
1.54	1.87	4.15	2.80	1.60	8.55	6.95	5.12	16.31	18 90			
1.03	1.38	2.16	2.34	1.05	5.55	4.50	6.66	9.78	15 65	"	Genuine. . . . .	25244
0.82	1.00	2.00	2.00	1.00	5.00	4.00	8.00					
0.70	0.85	3.52	2.69	2.55	8.76	6.21	7.14	12.90	17 47	"	Not registered . . . . .	25245
1.74	2.11	3.75	4.45	5.35	13.55	8.20	4.14	9.96	16 90			
1.86	2.26	4.00	5.00	3.30	12.30	9.00	3.10	12.66	20 59	"	Genuine. . . . .	25246
	2.00					7.00	3.00					
2.59	3.15	5.75	1.13	5.27	12.15	6.88	4.96	11.24	23 49	"	Not registered. . . . .	25247
1.34	1.63	3.75	3.75	4.95	12.45	7.50	3.24	11.32	17 53			
2.56	3.15	8.45	2.80	2.10	13.35	11.25	2.53	11.55	25 08	"	Genuine. . . . .	25248
						11.50						
2.02	2.46	9.75	2.72	5.43	17 90	12.47		11.08	16 32	"	" . . . . .	25249
2.06	2.46	4.40	2.55	3.00	9.95	6.95	2.64	13.55	18 13			
1.40	2.50	5.00	3.00	2.00	10.00	8.00	3.00			"	" . . . . .	25250
	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18 52			
3.21	4.14	4.30	1.95	4.50	10.75	6.25	6.35	11.80	25 99	W. H. Ellis.	Genuine . . . . .	25267
	3.00				8.00		5.00					
2.80	3.40	6.07	2.73	5.59	14.39	8.80	5.56	14.72	27 04	"	Not registered. . . . .	25268
2.64	3.20	2.30	15.85	4.10	22.25	18.15	2.59	11.79	32 86			
2.91	3.52	3.10	11.00	4.50	18.60	14.10	3.87	9.07	30 85	"	Cannot be certainly identified for comparison.	25269
3.30	4.00	4.00	2.00	1.00	7.00	6.00	10.00					
2.91	3.54	5.11	2.24	1.60	8.95	7.35	11.78	11.50	30 75	"	Genuine. . . . .	25270
1.79	2.17	4.45	5.45	2.65	12.55	9.90	6.70	12.36	24 90			
2.06	2.50	6.00	2.00	1.00	9.00	8.00	1.50			"	" . . . . .	25271
2.17	2.63	6.27	3.13	3.71	13.11	9.40	1.95	10.24	21 41			
1.94	2.30	3.32	5.08	4.10	12.50	8.40	3.85	14.79	21 25	"	" . . . . .	25272
2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00					
1.40	1.70	7.16	0.33	4.79	12.28	7.49	3.37	13.30	18 52	"	" . . . . .	25273
2.14	2.60		14.00	10.35	24.35	14.00		6.60	26 96			
2.47	3.00				22.00					"	" . . . . .	25274
2.94	3.57		15.62	10.04	25.66	15.62		2.45	29 70			
1.75	2.13	4.50	3.75	3.12	11.37	8.25	1.60	14.77	18 01	A. Lemoine.	" . . . . .	25275
2.06	2.50	6.00	2.00	1.00	9.00	8.00	1.50					
2.07	2.52	6.87	2.57	3.51	12.95	9.44	2.54	11.60	21 70			



5-6 EDWARD VII., A. 1906

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
District of Toronto—Con.					
May 3	Special . . . . .	25274	A. St. C. Fisher.	American Agricultural Chemical Co.	As sold . . . . . As guaranteed . . . . . Standard sample (1683)
" 3	Special Potash . . . . .	25275	A. St. C. Fisher.	" "	As sold . . . . . As guaranteed . . . . . Standard sample (1681)
" 3	Cabbage and Potato . . . . .	25276	A. St. C. Fisher.	" "	As sold . . . . . As guaranteed . . . . . Standard sample (1685)
" 3	Grain and Grass . . . . .	25277	Wm. Condlen, agent, Queens- ton, Que.	International Seed Co.	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .
" 3	Potato and Truck . . . . .	25278	Wm. Condlen, agent, Queens- ton, Que.	" "	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .
District of London— T. Kidd, Inspector.					
April 19	Lawn Fertilizer . . . . .	22262	David Cook, Clinton, Ont.	A. Freeman, Hamilton.	As sold . . . . . As guaranteed . . . . . Standard sample (1630)
" 19	Bradleys Fertilizer . . . . .	22264	M. H. Howal, Goderich.	Howland & Son, wholesale hardware Toronto.	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .
" 24	Bone Dust . . . . .	22266	John Byers, Stratford.	John A. Bruce, wholesale seed merchant, Hamilton.	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .
" 25	Fertilizer . . . . .	22271	W. O. Foster, St. Thomas.	Steel, Briggs & Co., Toronto.	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .
" 25	Fertilizer . . . . .	22272	" " "	" " "	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .
" 26	Bone Meal . . . . .	22274	Darch & Hunter, London, Ont.	Michigan Carbon Works, Detroit.	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .
" 27	Sure Growth . . . . .	22277	Hastings & Son, Woodstock.	W. A. Freeman, Hamilton.	As sold . . . . . As guaranteed . . . . . Standard sample (1630)
" 27	Potato Manure . . . . .	22278	" " "	" " "	As sold . . . . . As guaranteed . . . . . Standard sample (1634)
" 27	Tankage . . . . .	22280	London Soap Co., London.	London Soap Co., London.	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .
" 24	.....	22268	R. Hookway & Son, London.	.....	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .
District of British Columbia—E. B. Parkinson, Inspector.					
May 4	Fertilizer . . . . .	24981	E. Hunt, Stevenson, B.C.	Vancouver Fertilizer Co.	As sold . . . . . As guaranteed . . . . . Standard sample . . . . .



SESSIONAL PAPER No. 14

Samples as sold in 1905—Continued.

RESULTS OF ANALYSIS.										Relative value per ton, 2000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.					Potash.	Moisture.					
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	\$ cts				
.....	.....	3.82	2.98	3.15	9.95	6.80	6.36	14.75	15 16	W. H. Ellis.	Low in available phosphoric acid.	25274	
.....	.....	8.00	2.00	1.00	11.00	10.00	8.00	.....	.....				
Tr.	Tr.	6.88	3.36	3.35	13.59	10.24	7.23	10.56	20 18	"	Genuine.....	25275	
0.87	1.05	5.88	1.92	3.00	10.80	7.80	7.00	14.70	20 02				
0.82	1.00	7.00	2.00	1.00	10.00	9.00	7.00	.....	.....	"	" .....	25276	
0.84	1.02	7.51	1.45	3.19	12.15	8.96	8.40	11.88	22 91				
2.49	3.20	5.33	1.52	1.90	8.75	6.85	6.28	10.67	23 60	"	" .....	25277	
2.47	3.00	6.00	2.00	1.60	9.00	8.00	6.00	.....	.....				
2.17	2.64	6.39	3.69	1.91	11.99	10.08	6.87	9.64	26 55	"	Not registered .....	25278	
1.30	1.51	5.08	2.67	2.70	10.45	7.75	0.54	12.50	14 30				
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	"	" .....	25279	
1.79	2.18	4.68	2.77	2.90	10.35	7.45	2.04	11.92	17 74				
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. H. Ellis.	Genuine.....	22262	
2.24	2.72	7.40	1.60	1.85	10.85	9.00	2.35	18.06	21 16				
.....	3.50	.....	.....	.....	8.00	.....	3.00	.....	.....	"	Not registered...	22264	
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24 18				
2.16	2.62	6.40	2.05	2.70	11.15	8.45	1.98	10.01	20 06	"	" .....	22266	
3.21	3.89	.....	11.35	11.45	22.80	11.35	.....	6.99	26 82				
.....	"	.....	.....	.....	.....	.....	.....	.....	.....	"	" .....	22271	
4.19	5.08	.....	11.60	9.70	21.30	11.60	.....	7.12	29 91				
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	"	" .....	22272	
5.04	6.11	3.25	8.25	5.45	16.95	11.50	2.08	5.01	33 82				
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	"	" .....	22274	
1.35	1.64	.....	15.50	14.50	30.00	15.50	.....	2.77	25 99				
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	"	Genuine.....	22277	
2.77	3.35	4.40	3.95	6.25	14.60	8.35	3.43	8.57	24 13				
.....	3.50	.....	.....	.....	8.00	.....	3.00	.....	.....	"	" .....	22278	
2.94	3.57	5.24	3.21	7.03	15.48	8.45	2.85	15.60	24 18				
3.19	3.86	0.20	8.65	4.45	13.30	8.85	4.77	7.56	26 47	"	" .....	22280	
.....	3.00	.....	.....	.....	8.00	.....	5.00	.....	.....				
2.80	3.40	6.07	2.73	5.59	14.39	8.80	5.56	14.72	27 04	"	Not registered.....	22268	
5.03	6.10	4.85	5.95	5.80	16.60	10.80	0.22	5.08	31 21				
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	"	" .....	24981	
0.11	0.14	.....	7.45	5.50	12.95	7.45	.....	0.86	10 22				
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. C. Fagan.	A bone meal no doubt leached out in a refinery ; is of no value as a fertilizer.	24981	
0.56	0.68	trace	0.2	0.1	0.3	0.2	...	1.12	2 15				



5-6 EDWARD VII., A. 1906

RECORD of Fertilizer

Date of Collection.	Name of Sample or Brand.	No. of Sample.	Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher.	Inspector's Report.
<i>District of British Columbia—Con.</i>					
May 9	Fish Guano.. . . .	24992	Brackman & Kerr, Vancouver.	Frazer River Oilery, near Vancouver.	As sold..... As guaranteed.... Standard sample.....
" 9	B. Fertilizer.....	24993	" " "	Victoria Chemical Co., Victoria.	As sold..... As guaranteed... Standard sample (1706)
" 9	Bone Meal.....	24994	" " "	Unknown .....	As sold..... As guaranteed..... Standard sample .....
" 9	'C' Fertilizer... ..	24996	Brackman & Kerr, New Westminster.	Victoria Chemical Co., Victoria.	As sold..... As guaranteed... Standard sample (1707)
" 10	Nitrate of Soda.....	24997	M. J. Henry, Vancouver.	" " "	As sold..... As guaranteed..... Standard sample (1703)
" 10	Sulphate of Potash.....	24998	" " "	" " "	As sold..... As guaranteed..... Standard sample (1701)
" 10	Thomas Phosphate.. .	24999	Brown Bros., Vancouver.	" " "	As sold..... As guaranteed..... Standard sample (1702)



SESSIONAL PAPER No. 14

Samples as sold in 1905—*Concluded.*

RESULTS OF ANALYSIS.										Relative value per ton, 2000 lbs.	Analyst.	Remarks.	No. of Sample.
Nitrogen.		Phosphoric Acid.					Potash.	Moisture.					
Total.	As Ammonia.	Soluble in water.	Citric Soluble.	Insoluble.	Total.	Available.							
p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	\$ cts				
9.2	11.22	0.8	7.1	0.2	8.1	7.9	0.4	7.96	38 67	J. C. Fagan.	This fertilizer is not registered.	24992	
3.92	4.76	8.6	0.9	0.3	9.8	9.5	11.5	11.18	36 23	" ..	" ..	24993	
3.50					9.0		11.0						
2.87	3.49	8.0	1.59	0.64	10.23	9.59	11.81	10.28	33 11				
4.48	5.44	trace	12.0	10.8	22.8	12.0		9.8	31 67	" ..	Not described so as to admit of identification with any registered brand.	24994	
trace	trace	13.0	0.6	0.4	14.0	13.6	11.3	11.5	27 68	" ..	Genuine.. .. .	24996	
0.35	0.42	12.66	6.13	2.43	15.22	12.79	11.97	11.04	29 22				
15.85	19.17							1.8	53 89	" ..	" ..	24997	
16.00													
12.57	15.26							0.96	42 74				
								49.0	3.4	49 00	" ..	" ..	24998
								50.0					
								42.19	1.44	42 19			
		none	11.5	4.3	15.8	11.5		3.4	15 66	" ..	Genuine, being up to guaranty, though not up to standard sample filed with the Dept. Inland Rev.	24999	
			15.99	4.15	20.14	15.99		0.05	20 49				



























